Author index

Aaronson,S.A. 8477
AB,G. 5189
Abbotts,J. 261
Abhiraman,S. 7483
Aboul-ela,F. 4811,8927
Abrahams,J.P. 7673
Abramowitz,R. 4719
Adamiak,R.W. 2989
Affara,N. 5629
Agarwal,K. 7299
Aggarwal,A.K. 5671
Agostinelli,M. 4171
Ahnn,J. 4677
Akiyoshi,D.E. 2773
Akusjärvi,G. 6299
Alanen,M. 2789
Alderfer,J.L. 5949
Aldridge,T.C. 7341
Aline,R.,Jr. 3161
Allan,M. 6125
Allison,J. 3161
Allmansberger,R. 6439
Altman,S. 2583
Altona,C. 927,3317
Altruda,F. 3841
Altschuler,M.I. 5817
Amalric,F. 5805
Amin,A.A. 2647,2661
Amitsur,M. 4333
Anagnou,N.P. 777
Anders,R.F. 7837
Andersen,A.H. 1543
Andersen,H.D. 4113
Anderson,M.L.M. 2931,5761
Anderson,O.D. 6817
Angal,S. 1891
Antequera,F. 6545
Aoyama,T. 4085
Aran,P. 7299
Argos,P. 3941
Armstrong,J. 7375
Arps,P.J. 5297
Arya,S.K. 8219
Asano,M. 8573
Athar,A. 7153
Atmadja,J. 6919
Atweh,G.F. 777
Ausubel,F.M. 4539
Avila,P. 3335
Avital,S. 4719
Ayusawa,D. 2035

Baase,W.A. 4983
Bachellerie,J.-P. 8339
Bacolla,A. 5127
Bailey,J.N. 6753
Bakayev,V.V. 1135,7079
Baker,A. 5857
Bakker,E. 7167
Bakkeren,G.A.M. 4661
Balàzs,E. 6663
Balazs,I. 3495
Balcarek,J.M. 5527
Banerjee,R. 5111
Bank,A. 5203,6125,7781
Banville,D. 5407
Barat,M. 1703
Barcellona,M.L. 8955
Barker,D.G. 8323
Barker,R.F. 8543
Barry,J.D. 4661
Bartels,D. 6833
Basi,G.S. 1763
Bates,G. 3016
Batter,D. 3495
Battey,J. 2141
Bauer,W.R. 1665
Bavykin,S.G. 3439
Bayev,A.A. 8983
Beach,L.R. 999
Bear,D.G. 3739
Beck,D.J. 7395
Beckmann,R.J. 5233
Bedouelle,H. 4431
Bedwell,D. 3891
Been,M.D. 8389
Behe,M.J. 3931
Bélanger,L. 2387
Bell,G.I. 6787,8287,8661
Bell,J.R. 3861
Belyavsky,A.V. 3439
Benech,P. 1267
Benenfeld,B.J. 4889
Benight,A.S. 8611
Benjamin,T.L. 501
Benne,R. 4171
Benner,J.S. 8441
Benson-Chanda,V. 2207,2815
Berg,P. 2921,7945
Berger,S.L. 1413
Bergh,S.T. 8507
Berkhout,B. 6955
Berkner,K.L. 841
Bernier,J.-L. 6703
Bertelson,C. 5723
Bhat,B.M. 5771
Biala,E. 2989
Biamonti,G. 337,5545,6577
Bianco,A.E. 7837
Bickle,T.A. 389
Bielka,H. 2325
Bilodeau-Wentworth,D. 2153
Binart,N. 6035
Birkenmeyer,L. 7107
Birnie,G.D. 6467
Bisanz-Seyer,C. 8787
Bjursell,G. 8813
Blaas,D. 2111
Black,D.M. 2433
Black,E. 5629
Blackburn,E.H. 2661
Blanchard,J.M. 1431
Blanco,L. 1239,3083
Blasi,F. 2759,5404
Blöcker,H. 5685,6919
Blumenthal,T. 5283,7129
Boardman,M. 1763
Boast,S. 2759
Bodmer,M.W. 1891
Boer,P.H. 2281
Bogardus,A.M. 3861
Böhnlein,E. 4789
Bolden,A.H. 3479
Boncinelli,E. 1089
Bondjers,G. 8813
Bonekamp,F. 4113
Bonen,L. 2281
Bonven,B.J. 1543
Borgmeyer,U. 2045
Bornkamm,G.W. 6515
Borst,P. 4171,4253,4661
Bos,J.W. 3063
Bosch,D. 5095
Bosch,L. 1717,7673
Bothner-By,A.A. 2097
Botterman,J. 3823
Bouche,G. 5805
Bougueleret,L. 3823
Boulter,D. 4527,6733
Boulton,M.I. 7237
Bovenberg,R.A.L. 1829
Bowman,B.H. 8007
Bowman,L.H. 7499
Bown,D. 4527
Brammar,W.J. 8119
Branch,A.D. 4889
Brandsma,J.A. 5095
Breathnach,R. 711
Breg,W.R. 3015
Brennan,C.A. 8665
Brennand,J. 1939
Breuning,M.H. 7167
Brewer,H.B.,Jr. 4597
Briand,P. 155,3419
Brierley,H.L. 485
Briet,E. 8289
Brimacombe,R. 6919
Brooks,J.E. 8441
Brown,A.R. 289
Brown,C. 155
Brown,D.M. 2979
Brown,D.T. 537
Brown,E. 3161
Brown,G.V. 7837
Brown,L. 2931
Brown,N.C. 6331
Brown,N.L. 5657
Brown,R. 5255
Brown,W.T. 7909
Brown-Shimer,S. 6237
Browner,M.F. 8645
Bruenn,J. 1575
Brune,M. 7139
Brunel,F. 1841,7687
Brunelle,A. 5019
Bruns,G. 5403

Brunt,H. 6793
Bryant,D.A. 7223
Bryant,J.A. 4557
Buchberg,A.M. 1953
Buck,K.W. 4645,7881
Buck,M. 7621
Buckingham,M. 4623
Buell,G. 1923
Buikema,W.J. 4539
Burbank,D.E. 3471
Burger,K.J. 5269
Burke,J.F. 1317,6265
Burkholder,A.C. 8463
Burks,C. 645
Burton,F.H. 5071
Buryanov,Ya.I. 8983
Buschhausen,G. 5503
Butkus,V. 5727
Butterworth,P.H.W. 3805,8715
Buttgereit,D. 8165
Byrd,R.A. 6375,8181
Bytebier,B. 4777

Cabrer,B. 5127
Caillet,J. 3699
Caizergues-Ferrer,M. 5805
Calabretta,B. 521
Calléja,F. 6745
Camargo,E. 1559
Cane,J. 5283
Cannizzaro,L.A. 381
Cantor,C.R. 7171
Carew,J.A. 303
Carlson,M. 6089
Carlsson,P. 8813
Carothers,A.M. 5111
Carreira,L.H. 1399
Carrington,J.C. 6663
Carter,P. 4431
Caruthers,M.H. 6621
Casavant,N.C. 2699
Casey,R. 687
Castagnoli,L. 5353
Castro,M.M. 8927
Catelli,M.G. 6035
Cathelineau,L. 155
Cattaneo,R. 7457
Cavalli-Sforza,L.L. 8287
Cavanaugh,A.H. 3357
Cavard,C. 155
Cech,D. 8983
Cech,T.R. 1871,7741,7759, 8389
Cedergren,R. 5697
Cesareni,G. 5353
Chak,K.-F. 2519
Chakhmakhcheva,O.G. 3651
Chalkley,R. 401
Challoner,P.B. 2661
Chambers,A. 7341
Chambon,P. 3305,8293
Chan,C.B. 7909
Chan,G.L. 3285
Chan,V.T.-W. 8083
Chandrasegaran,S. 2097
Chang,K.S. 1223
Changchien,L.-M. 6343
Chao,L.-Y. 8827
Chao,S.F. 5071
Chapeville,F. 347
Charles,I.G. 8119
Cheah,K.S.E. 4613
Chebath,J. 1267
Chester,J. 4097
Chevillard,M. 1801
Chevrette,M. 2387
Chinsky,L. 2075
Chiu,J.F. 3873
Chodchoy,N. 537
Choi,B.S. 5249
Chollet,A. 1529,1923,4417
Chou,S.H. 3755
Chow,F. 45
Chowdhury,K. 4789
Christensen,T. 4113
Christophe,D. 5127
Christy,R.J. 289
Chu,G. 2921
Chua,N.-H. 1283
Chui,C.-F. 2373
Chuprina,V.P. 141
Ciliberto,G. 3941,8065,8359
Cladaras,C. 5771
Clarke,J. 5457
Clary,D.O. 4029
Clayton,D.A. 8093
Cleaves,G.R. 6753
Clegg,J.B. 7569
Clements,J.B. 1347,7847
Cobianchi,F. 5545
Cockerill,P.N. 3561
Coles,L.S. 585
Coligan,J.E. 1559,7795
Collart,F. 2881
Colman,A. 7375
Combriato,G. 6499,6515
Connolly,B.A. 4485,6317
Cooper,D.P. 1939
Coppel,R.L. 7837
Corden,J. 1209
Cornelissen,A.W.C.A. 4661
Cornish-Bowden,A. 3021
Cortadas,J. 1493
Cortese,R. 3841,3941
Cossart,P. 195
Cosstick,R. 8749
Costanzi,C. 521
Cote,G.J. 3873
Cotten,M. 401
Couble,P. 1801
Coursin,T. 6745
Coutelle,Ch. 3419
Coutts,R.H.A. 4645,7881
Covey,S.N. 8305
Cowan,N.J. 207,5527
Crabb,J.W. 7551
Crabtree,G.R. 5233
Craven,G.R. 6343,6767
Crewther,P.E. 7837
Croce,C.M. 381,4921
Cross,M.A. 8129
Croy,R.R.D. 4527,6733
Cruz,P. 4983
Cruz-Alvarez,M. 3917
Cubbon,R. 5203
Cupples,R.L. 8007

Dahlberg,A.E. 8631
Dalgleish,R. 4609
Dalrymple,M.A. 7865
Damha,M.J. 6447
d'Andrea,R. 1369
Dani,Ch. 1431
Daniels,G.R. 8939
Darlix,J.-L. 8531
Darnfors,C. 8813
Das,H.K. 7515
Daubas,P. 4623
Davatelis,G. 7539,7540
Davies,J.W. 7237
Davies,K.E. 155,3419
Davis,C.A. 6605
Davis,G. 103,3891
Davis,J. 5724
Davison,A.J. 7865
Davison,J. 1841
De Greve,H. 4777
de Jong,M. 8797
de la Cruz,F. 3335
de la Cruz,V.F. 2337,5977
de la Luna,S. 7913
de la Paz,P. 4097
de Ruÿter,M. 5095
De Smet,B. 5441
de Vries,C.J.M. 4699
de Vries,E. 4935
de Waard,A. 6745
De Wachter,R. r105
de Wet,W.J. 2207,2815,3427
de Wind,N. 8797
Deblaere,R. 4777
Deboeck,F. 4777
Debouck,C. 1841
DeGrazia,H. 7483
Deininger,P.L. 8939
Deisseroth,A. 6059
DeLisi,C. 5327
Delius,H. 5457
Della Valle,G. 5545
Delort,A.-M. 319,3343
Delpeyroux,F. 3147
Dembinski,D.R. 6753
Denison,K. 5283,7129
Dennis,E. 7945
Dennis,E.S. 727
Dente,L. 3941

Dervan,P.B. 4825
Dery,C. 225
Deutscher,S.L. 5771
Devic,M. 8293
Devine-Gage,E.A. 7909
Dhaese,P. 5441
Dharmaraja,N. 2533
Di Liberto,M. 3427
Diamantstein,T. 1505
Dickson,L.A. 3427
Dietrich,J. 6155
Dillon,N.O. 8715
Dirheimer,G. 1341
DiRico,D.E.,Jr. 251
Distel,B. 4699
Ditta,G.S. 5965
Dixon,G.H. 4871
Dixon,R. 7621
Dobkin,C. 7781
Dobson,M.J. 4097,6249
Docherty,A.J.P. 1891
Doetsch,P.W. 3285,5317
Doi,T. 3685
Domingo,E. 7959
Domoney,C. 687
Dondon,J. 3371
Donegan,J. 3979
Donelson,J.E. 3533
Donovan-Peluso,M. 5203,6125
Donson,J. 7237
Dorbic,T. 9043
Dorfman,D.M. 3533
Drake,A.F. 7067
Drew,H.R. 4445
Drewke,C. 3043
Drexler,K. 605
Driller,H. 911
Drohan,W. 8286
Dron,M. 8603
Drong,R.F. 6483
Drummond,D.R. 7375
Dubnau,D. 7307
Dudycz,L.W. 6331
Duerksen,J. 5423
Dullemans,A.M. 8207
Dumas,K.S. 4011
Duncan,W.R. 5611
Dunnick,W. 225
Dunsmuir,P. 2503
Duplaa,A.-M. 319

Ebina,Y. 4687
Eckart,M.R. 3043,3063
Eckstein,F. 6317,8749,8765
Economou-Pacnnis,A. 8379
Eddy,R. 6075
Edelson,R.L. 2533
Eden,F.C. 4765
Edens,L. 3063
Edgell,M.H. 2699,5071
Edmonds,C.G. 8197
Efimov,V.A. 3651
Efstratiadis,A. 1119
Egan,W. 6375
Ehresmann,B. 8339
Ehresmann,C. 8339
Ehrlich,M. 1399,3969,4837
El Sabrouty,S. 1431
Elango,N. 1559,7795
Eliasson,M. 8913
Elkaim,R. 1209
Elson,D. 4719
Emanuel,B.S. 381
Emtage,J.S. 1891
Engberg,J. 4203,7445
Eoyang,L. 3979
Erdmann,V.A. r105
Erickson,J. 8531
Erkelens,C. 927
Escanez,S. 1923
Eschbach,M.-L. 605

Fair,D.S. 8286
Falaschi,A. 5545
Falco,S.C. 4011
Fareed,G.C. 6937
Fausto,N. 8105
Faye,G. 3005
Fazakerley,G.V. 7829
Feagin,J.E. 4577
Feinstein,S.I. 3969
Feldberg,R.S. 303
Feldmann,H. 2745
Feramisco,J.R. 6035
Ferenz,C.R. 1977
Ferguson-Smith,M.A. 4125
Feuerstein,B.G. 4133
Fiers,W. 4417
Filutowicz,M. 103
Finnegan,E.J. 727
Fischer,J.A. 6899
Fischer,S.G. 3111,3131
Fisher,E.F. 6621
Fleming,J. 5629
Fleming,K.A. 8083
Fling,M.E. 7095
Flock,J.-I. 8913
Fogy,I. 2111
Folk,W.R. 1413
Folkman,W. 2443
Forde,B.G. 7327
Forde,J. 6817
Forget,B.G. 777
Forster,A.C. 745,5843
Fort,Ph. 1431
Fox,K.R. 595,8695
Frank,R. 5685,6919
Franklin,W.A. 5317
Fransen,L. 4417
Fraundorfer,F. 2111
Freundlich,M. 3979
Freyssinet,G. 7529
Friden,P. 3979
Fritzinger,D. 5657
Fujisawa,H. 7473
Fujita,N. 59,7647
Fukazawa,C. 6719
Fukuda,M. 1649
Fukui,T. 5869
Fulton,A.M. 4097,6249
Fulton,R. 6467
Fung,S. 2399
Furdon,P. 2583
Furuta,R. 5869
Furutani,Y. 5869

Gaffney,B.L. 573
Gaffney,D.F. 1347,7847
Gait,M.J. 2959
Gallo,K.A. 6375,8181
Gallwitz,D. 3791
Galt,J. 4125
Gama-Sosa,M.A. 1399
Gao,X. 573
García,J.A. 3083
Garner,I. 4191,4623
Garner,K.J. 2171
Gasparro,F.P. 2533
Gärtner,D. 4227
Gasser,F. 195
Gatehouse,J.A. 4527
Gatenbeck,S. 1151
Gedamu,L. 5423
Geerse,R.H. 1829
Gehrke,C.W. 1399,3969
Genest,D. 2603
Georgiev,G.P. 1135,6423,7427
Gerbi,S.A. 3581
Gerlach,W.L. 727
Gerster,T. 8901
Geurts van Kessel,A.M.H. 5761
Gibbins,J.R. 7607
Gibbons,K.T. 6075
Giles,N.H. 4311
Gilham,P.T. 2433,8259
Gillespie,D. 521
Gilley,D.P. 8507
Gilz,R. 355
Gingeras,T.R. 8441
Girardet,J.-L. 2843
Giraud,E. 195
Girton,L. 3471
Gocke,C.R. 6753
Gocke,E. 1543
Goda,Y. 2569
Goebel,W. 31,6969
Goeddel,D.V. 6361
Golankiewicz,B. 2443
Goldberg,I.H. 1637
Goldfarb,P.S. 5629
Goldman,P. 2141
Goldstein,S. 5563,7055
Goman,M. 369
Gonzalez,A. 5789
Gonzalez,F.J. 2009,4503,7269

Goodwin,G.H. 3561,4047
Gordon,M.P. 459,2773
Gorka,C. 2843
Gorman,C.M. 3599
Gosink,M. 3891
Gotoh,O. 2035
Gottlieb,P. 6621
Götz,F. 5895
Gould,H. 6531
Gourlie,B.B. 289
Govindan,M.V. 8293
Gowda,S. 1965
Goyns,M.H. 5761
Graessmann,A. 5503
Graessmann,M. 5503
Grafstrom,R.H. 2827
Gram,H. 7551
Grandgenett,D.P. 6205
Gravel,R.A. 8288
Gray,K.M. 521
Gray,M.W. 2281
Gray,P.W. 6361
Green,G.A. 1659
Green,S. 8293
Green,T.J. 1965
Greenblatt,J. 2569
Greene,F.C. 6817
Greener,A. 103
Grenier,J. 3495
Grienenberger,J.-M. 4411
Grierson,D. 8305
Griffin,J.R. 4613
Grimaldi,G. 2759
Grindlay,G.J. 6125
Grinsted,J. 3335
Gromova,E.S. 8969,8983
Gronemeyer,H. 8293
Grosjean,H. 3667,5697
Gross,B. 2325
Gross,H.J. 31
Grosse,F. 5685
Grosskopf,R. 1517
Grosveld,F.G. 7993
Gruber,M. 5189
Gruendler,P. 2111
Grummt,F. 5269
Grummt,I. 2293,2631,8165
Grunberg-Manago,M. 3371
Grunberger,D. 5111
Grundström,T. 3305
Gruss,P. 4789
Guertin,M. 2387
Guest,J.R. 131
Guillemaut,P. 4411
Guilley,H. 6663
Guillotte,M. 4191
Gumport,R.I. 8665
Guntaka,R.V. 1965
Gupta,P.K. 5341
Gurney,T.,Jr. 4905
Gusella,J.F. 6075,7169
Gutell,R. 4171
Guy,A. 7829

Haasnoot,C.A.G. 927
Hadi,S.M. 389
Haenni,A.-L. 347
Hahn,B.H. 8219
Hahn,V. 1173
Halford,N.G. 6817
Hall,A. 5255
Hall,J.L. 207
Hall,K. 4983
Hallewell,R.A. 2017
Halling,A.C. 8019
Halling,K.C. 8019
Haltiner,M. 1015
Hamilton,D.L. 2827
Haniford,D.B. 4343
Hanke,R. 3419
Hannig,E.M. 4379
Harberd,N.P. 6833
Harding,M. 8867
Hardison,R.C. 1073
Hare,D.R. 3755
Harkness,R.E. 4143
Harris,P. 4125
Harris,T.J.R. 1891
Harrison,B. 2241
Harrison,G.S. 73
Harrison,P.R. 5629
Harshman,K.D. 4825
Hartman,K.A. 251
Hartmann,C. 8603
Hartmann,T. r1,r51
Hartwell,L.H. 8463
Harvey,S.C. 5645
Haseltine,W.A. 3285,5317, 8219,9011
Hatfield,D. 4765
Hatfield,G.W. 3995
Hatfull,G. 5515
Hattman,S. 3471
Hattori,M. 7813
Hauber,J. 2745
Haumont,E. 5697
Hauptmann,R. 4739
Hauser,C.A. 3995
Hauswirth,W.W. 8093
Hawkins,A.R. 8119
Hayashi,K. 3261,7979
Hayashi,M. 5937
Hayashi,M.N. 5937
Hayatsu,H. 8893
Heiermann,R. 2709
Heilig,R. 5485
Helbecque,N. 6703
Helfman,D.M. 6035
Helftenbein,E. 415
Helinski,D.R. 103
Helk,B. 6283
Heller,D. 3389
Hellung-Larsen,P. 4203
Henderson,E. 3495
Hendrickson,W. 5019
Hénichart,J.-P. 6703
Henner,W.D. 9011
Henthorn,P.S. 6559
Hermoso,J.M. 7715
Herrmann,F. 3419
Hershey,H.P. 8543
Hervé,M. 3343
Heschl,M. 5423
Hess,J. 6059
Heusterspreute,M. 1841
Heyworth,A. 7327
Hidaka,S. 7813
Higashi,Y. 5157
Higgins,D.R. 2357
Higgins,M.J. 6605
Higgins,S. 659
Higgins,T.J.V. 999
Higgs,D.R. 7569
Hildebrand,C.E. 2009
Hill,A.V.S. 7569
Hillen,W. 4227
Hirano,H. 8275
Hiraoka,N. 7015,7979,8685
Hirt,B. 3617
Hjorth,J.P. 1
Hodges,P.E. 943
Hofer,B. 5995
Hoffman,L.M. 6483
Hoffman-Chudzik,E. 7413
Hofker,M. 8289
Hofker,M.H. 3419,7167
Hofmann,A. 2293
Højrup,P. 5927
Holden,J.A. 6999
Holden,J.J.A. 6605
Hollenberg,C.P. 3043,3063, 5717
Holmgren,E. 1151
Honjo,T. 1505,7579
Hood,L.E. 2399
Hooper,D.C. 6695
Hope,I.A. 369
Hopper,J.E. 8409
Horak,I. 2631,3461
Hori,K. 5055,7289
Hornung,S. 6794
Horwich,A.L. 943
Hottinger-Werlen,A. 8739
Houck,G.E.,Jr. 7909
Houmard,J. 7223
Houssin,R. 6703
Houston,L.L. 8019
Howard,B. 3599
Howard,K.A. 8441
Howard-Flanders,P. 1997
Howarth,N.R. 8695
Howk,R. 8286
Hsieh,T. 1057
Hu,S.-L. 45
Huang,D.P. 3873
Huang,R.C.C. 289

Huang,S.-C. 8507
Hübscher,U. 5471
Huecas,M. 5789
Hughes,C. 1841
Hull,R. 4557
Hunger,H.-D. 1173
Hunkapiller,M.W. 2399
Hunkapiller,T.J. 2399
Husimi,Y. 5747
Hutchinson,D.W. 8519
Hutchison,C.A.,III. 2699,5071
Huysmans,E. r105
Hyde,J.E. 369

Ida,N. 2063
Ide,H. 8035
Idler,K.B. 8543
Igloi,G.L. 6881
Iida,C.T. 6237
Ikehara,M. 3685
Imura,A. 7119
Indge,K.J. 4097,6679
Inoue,H. 7119
Inouye,M. 3101,4677
Inouye,S. 3101
Ionasescu,G. 155
Ionasescu,V. 155
Ishida,N. 1505,7579
Ishihama,A. 59,7647,9031
Ishii,D.N. 1119
Ishizaki,K. 7183
Ishizaki,Y. 3261,7979
Iwakura,Y. 8573
Izui,K. 59

Jackson,M. 3389
Jacob,M.T. 5833
Jacob,S.T. 89
Jacobs,M. 8913
Jaehning,J.A. 8487
Jaiswal,A.K. 4503
James,R. 2519
Janicek,M.F. 9011
Janowicz,Z.A. 3043,3063
Janulaitis,A. 5727
Jarrett,R. 5007
Jarrett-Nedwin,J. 6361
Jasmer,D.P. 4577
Jayabaskaran,C. 5833
Jaye,M. 8286
Jeannin,G. 4411
Jeanteur,Ph. 1431
Jeffers,J. 1841
Jemiolo,D.K. 8631
Jen,G. 2773
Jennings,M.W. 2897
Jensen,K.F. 4113
Jiang,X.-W. 6847
Jiménez,A. 7913
Job,C. 6155
Job,D. 6155
Johnson,D.F. 6937
Johnson,W.C.,Jr. 4983
Johnston,L.H. 8323
Joliffe,L.K. 6753
Jollès,B. 2075
Jonard,G. 6663
Jones,D.S. 1659
Jones,N.C. 5389
Jones,P.T. 8561
Jones,R.A. 573
Jones,R.S. 1027
Jones,R.W. 2897
Jong,A.Y.S. 2943
Josephs,S.F. 5007,8219
Josephson,S. 1151
Joshi,R.L. 347
Jovin,T.M. 1683
Jung,M. 1683

Kaczorek,M. 3147
Kadonaga,J.T. 1733
Kadonishi,S. 8685
Kahane,B. 4191
Kaji,A. 7639
Kajitani,M. 59
Kalousek,F. 943
Kamogashira,T. 1045
Kan,L. 2097
Kanamori,H. 7579
Kanda,N. 5403
Kaneda,S. 2035
Kanehisa,M. 5327
Kaneko,Y. 5747
Kang,D.S. 5645
Kano,T. 6049
Kao,T. 2485,3195
Kaplan,D. 501
Kaplan,R. 8286
Kappen,L.S. 1637
Käppi,R. 2451
Karrer,K.M. 73
Katinakis,P. 239
Kato,H. 1817
Katsuki,H. 59
Kaufman,R.E. 777
Kaufmann,G. 4333
Kawade,Y. 8573
Kawarabayasi,Y. 6591
Kawasaki,E.S. 4991
Kawashima,E.H. 1529,1923, 4417
Kearns,D.R. 2603
Kekish,O. 3495
Keller,C.C. 6403
Keller,E.B. 4971
Keller,P.B. 251
Kelley,K.A. 805,825
Kellow,J.E. 2931
Kelly,A. 1607
Kelly,J.M. 167,6017
Kemp,D.J. 7837
Kempe,T. 45,1015
Kemper,B. 1103
Keniry,M.A. 4133
Kent,J.R. 1871
Kersulyte,D. 5727
Kessler,C. 1517
Kestler,H. 3891
Keyte,J.W. 8119
Khan,H. 7621
Khan,N.N. 6331
Kidd,J.R. 3015
Kidd,K.K. 3015
Kieft,G.L. 1871
Kiho,Y. 5585
Kikuchi,S. 5585
Kimizuka,F. 7015
Kimura,A. 8843
King,C.R. 8477
Kingsman,A.J. 4097,6249
Kingsman,S.M. 4097,6249
Kinniburgh,A.J. 1953,2855
Kirchgessner,T. 6937
Kirtland,S. 5283
Kishimoto,T. 3515
Kiss,A. 6403
Kita,K. 7015,8685
Kitagawa,T. 6049
Klassy,R.C. 6483
Klein,A. 6439
Klein,S. 8901
Klimasauskas,S. 5727
Klimczak,L.J. 5269
Klinz,,F.-J. 3791
Klobeck,H.-G. 6499,6515
Knöchel,W. 7899
Knott,T.J. 6387,6789,6790, 6791,6792,6793
Knott,T.J. 6387
Knowler,J.T. 6467
Knowles,J.R. 1733
Koch,E.M. 7663
Koenen,M. 4191
Koenig,M. 5485
Koh,D. 4811
Kohara,Y. 6847
Kohchi,C. 6273
Köhrer,K. 2631
Kojima,H. 7015
Kok,K. 5189
Kolaskar,A.S. 185
Koller,B. 5457
Kollias,G. 7993
Komano,T. 449
Kominami,R. 3515
Kondo,S. 1505
Konopka,A.K. 1683
Kooter,J.M. 4253
Kopf,J. 7095
Korn,E. 5895
Korneluk,R.G. 8288
Korner,H. 3419
Koropatnick,J. 5423
Kosche,K.A. 7781
Kössel,H. 6881

Köster,H. 5995
Kosykh,V.G. 8983
Kow,Y.W. 8035
Kowalski,D. 6137
Kownin,P. 6237
Koziel,M.G. 8507
Kraakman,P. 701
Kramer,F.R. 8425
Kramerov,D.A. 6423
Kraus,J.P. 943
Kraus,K. 5145
Kraus,M.H. 8477
Krauss,G. 5685
Kreis,M. 7327
Kristensen,T. 3551
Kröger,B. 3461
Krugh,T.R. 5907
Krupp,J.L. 859
Krych,M. 1185
Kubareva,E.A. 8969
Kuchino,Y. 3213
Kudo,J. 8827
Kuechler,E. 2111
Kumura,K. 1483
Kung,S.D. 7543
Kunkel,L.M. 5403,5723
Kunnath,L. 115
Kunz,W. 1251
Künzler,P. 1855
Kuo,K.C. 1399
Kurl,R.N. 89
Kushiya,E. 4365
Kwok,W.W. 459

La Volpe,A. 1089
Labhart,P. 8999
Labuda,D. 3667
Lacatena,R.M. 5353
Lackner,K.J. 4597
Ladin,B.F. 8019
LaFlamme,S.E. 8425
Laigle,A. 2075
Laird,P.W. 4253
Lake,J.A. 2337
Landes,G. 6075
Langsley,G. 4191
Lankat-Buttgereit,B. 31
Lankhorst,P.P. 927,3317,3317
Lapeyre,B. 5805
Lapointe,J. 8739
Laster,S.M. 7041
Latt,S.A. 5403
Laval,J. 319
Law,S.W. 4597
Lawrance,S.K. 7515
Lawrence,C.B. 4239,8645
Lawrence,J.-J. 2843
Lawrence,J.B. 1777
Lawson,D.E.M. 8867
Lázaro,J.M. 3083
Le Pecq,J.-B. 3773
Leaver,C.J. 5857
Lebionka,A. 5727
Leblanc,J.-P. 319
Ledeboer,A.M. 3043,3063
Leder,P. 2141
Lee,F.S. 1665
Lee,M. 1575
Lee,M.Y.W.T. 8623
Leemans,J. 4777
Leer,R.J. 701,5027
Leff,T. 1209
Leffak,M. 4853
Lehmann,A.R. 2087
Leibowitz,M.J. 4379
Leinwand,L. 3389
Lemley,P.V. 4539
Lempereur,L. 8339
Lenardo,M.J. 3533
Lenoir,G.M. 2141
Leong,S.A. 5965
Lerman,L.S. 3111,3131
Lerner,T.J. 5789
Lescure,A.-M. 8787
Levasseur,M. 4527
Liebke,H. 5515
Liljeström,P.L. 7257
Lilley,D.M.J. 1443
Limbach,K.J. 617,631
Lin C.M. 7543
Lin,H.-C. 6937
Lindahl,L. 3891
Lindahl,T. 2683
Lingrel,J.B. 2171
Linnane,A.W. 1327
Lishanskaya,A.I. 3439
Lissemore,J.L. 8543
Litchman,B.L. 3739
Livak,K.J. 4011,8219
Lizardi,P.M. 5789
Ljungdahl,J.G. 1399
Locker,J. 115
Lodge,J. 501
Loeb,D.D. 5071
Loeb,L.A. 261
Lohmann,K. 5145
Lohr,D. 8409
Long,G.L. 5233
Lönnberg,H. 2451
Loosbroek,N. 4253
Lord,R. 3016,6787
Low,R.L. 6999
Lowe,P.A. 1891
Lubitz,W. 4143
Luchnik,A.N. 1135,7079
Lucotte,G. 8285
Luna,V.J. 8007
Lusis,A.J. 6937
Lycett,G.W. 6733
Lyons,A. 1891

Ma,Y. 6937
Maat,J. 3043,3063
MacDonald,G. 3161
MacFarlane,S.A. 7591
Mache,R. 8787
Mackay,M. 369
MacLeod,H.L. 8288
MacWright,R.S. 6753
Madhavan,K. 2153
Madsen,H.O. 1
Madura,K. 1575
Mager,D.L. 6559
Mager,W.H. 701,5027,7729
Magnée,F.A. 1829
Magrath,I. 381
Magun,B.E. 711
Mahbubani,H.M. 8853
Majumdar,R. 5883
Malpica,J.-M. 6817
Mandel,J.L. 5485
Maniatis,T. 3111,3131,6899
Mann,D.A. 7207
Manzini,G. 8955
Mao,J. 8739
Maquat,L.E. 2855
Maréchal,L. 4411
March,P.E. 4677
Marczynski,G.T. 8487
Margison,G.P. 1939
Markham,P.G. 7237
Markovits,J. 3773
Marmenout,A. 4417
Marsh,P. 6531
Martínez,C. 7959
Martin,F.H. 4811,8927
Martin,N.C. 859
Martin,R.F. 1467
Martin,R.P. 1341
Marton,L.J. 4133
Marty,L. 1431
Marvel,C.C. 5297
Marynen,P. 8287
Marzluff,W.F. 537,7041
Masaki,H. 1623
Masaki,S. 6635
Masiarz,F.R. 2017
Massari,R.J. 3873
Matrisian,L.M. 711
Matsugi,J. 3685
Mattei,D. 4191
Matthes,H.W.D. 3305
Maule,A.J. 4557,7359
Maundrell,K. 3711
Mauro,V.P. 239
Mayer,Y. 3723
Mazel,D. 7223
Mazodier,P. 195
Mazur,B.J. 2373
McAllister,W.T. 6753
McAnelly,R.D. 8007
McBride,O.W. 2009
McCarthy,T.V. 2683
McClelland,M. 7171,r201
McCloskey,J.A. 8197
McClure,M.A. 6797

McComas,W.W. 3479
McConnell,D.J. 167,6017
McCormack,W.T. 7041
McDonald,C. 659
McDonald,J.F. 4401
McDonnell,D.P. 4239
McGee,J.O'D. 8083
McGeoch,D.J. 953,7865,8143
McGlade,S. 3419
McGraw,N.J. 6753
McGuire,K.L. 5611
McHugh,G.L. 6695
McInnes,J.L. 745
McIntosh,J.E. 2281
McKenney,K. 1841
McKenzie,E. 2931
McLauchlan,J. 1347,7847
McMaster,G.K. 3617,6867
McMullen,G.L. 1327
Mead,D.A. 1103
Mehrabian,M. 6937
Meijer,M. 8797
Meindl,A. 6499
Meissner,F. r1
Melera,P.W. 2559
Melero,J.A. 7913,7959
Mellor,J. 4097,6249
Méndez,E. 3083,7715
Memelink,J. 1829
Mendiaz,E. 6937
Mercer,J.F.B. 7929
Mercereau-Puijalon,O. 4191
Merlin,G. 1267
Merlino,G.T. 8477
Merrick,M.J. 7591,7607
Mertz,J.E. 5591
Meshi,T. 5585
Metelev,V.G. 8983
Meyerhof,W. 7899
Michel,F. 975
Michels,P.A.M. 4661
Michitsch,R.W. 2559
Middlesworth,W. 5723
Mierendorf,R.C.,Jr. 6223
Miflin,B.J. 6817
Mignotte,B. 1703
Miki,T. 4687
Miles,J.S. 131
Miller,D.A. 3969
Miller,D.L. 859
Miller,O.J. 3969
Miller,P.B. 2559
Mills,D.R. 8425
Mills,F. 6531
Minagawa,T. 7473
Miner,Z. 1575
Mirau,P.A. 2603
Mirzabekov,A.D. 3439
Miura,K. 7183
Miwa,T. 59,3515
Mizuuchi,K. 1193
Mizuuchi,M. 1193
Mocikat,R. 6515
Mogg,A.E. 1317,6265
Mohammed,A. 7341
Moine,A. 1801
Moisan,J.P. 5485
Molenaar,C.M.T. 5027
Molko,D. 319,3343
Moll,J. r1
Momma,T. 6719
Montague,P. 6125
Montandon,P.-E. 4299
Moon,E. 3195
Mooren,A.T.A. 791
Morandi,C. 337,6577
Morgan,W.D. 3739
Mori,F. 3213
Morita,J. 449
Moritz,A. 31,6969
Moriya,S. 2251,2267
Morris,G.F. 537
Morris,T.J. 6663
Morris-Krsinich,B.A.M. 7237
Mosig,G. 873
Mötsch,S. 3335
Motulsky,A. 6794
Moulding,C. 2141
Mounolou,J.-C. 1703
Movva,N.R. 1923
Mowatt,M. 225
Mudd,R. 8286
Muhich,M.L. 3241,5977
Mukai,T. 5055,7289
Mullen,J. 3979
Mullenbach,C.T. 2017
Müller,B. 6439
Müller,D. 5995
Müller,R. 4417
Müller-Hill,B. 4191
Mullet,J.E. 1283
Mullineaux,P.M. 7237
Muramatsu,M. 3515,6049
Murphy,M.J. 167
Murphy,P.D. 3015
Murray,E.E. 8019
Murray,J.C. 6794
Murray,V. 1467
Murtif,V.L. 3221
Myers,R.M. 3111,3131
Myler,P. 3161

Naberhaus,K.H. 8007
Nadeau,J.G. 8259
Nagamine,M. 3515
Nagaraja,V. 389
Nager,C. 389
Nagley,P. 1327
Naismith,A.L. 7413
Najarian,R.C. 2017
Nakamura,S. 5869
Nakamura,Y. 3371
Nakata,K. 5327
Nakazawa,A. 4687
Nakazawa,M. 3261,7979
Nakazawa,T. 4687
Nalin,C.M. 3479
Nanjo,S. 449
Narayanan,C.S. 7307
Narni,F. 8827
Nasoff,M.S. 6621
Natarajan,V. 4067
Naylor,M. 8519
Naylor,S.L. 6361
Nebert,D.W. 2009,4503,7269
Neckelmann,N. 3241,5977
Nedwin,G.E. 6361
Negishi,K. 8893
Negoro,T. 6719
Neidle,S. 5671
Nelböck-Hochstett,P. 2745
Nelkin,B. 2413
Nelson,D.A. 1977
Nelson,M. 7171,r201
Nester,E.W. 459
Neubert,W.J. 7663
Neuman,S. 3723
Neumann,J.M. 3343
Neuwald,A.F. 7025
Newlon,C.S. 6679
Newton,C.A. 7341
Ney,C. 7299
Neyret,O. 7529
Ngo,K.Y. 8286
Ngo,N.Y. 8285
Nguyen,T. 239
Nicholls,R.D. 7569
Nichols,M. 8739
Nicoghosian,K. 5697
Nicolas,P. 4299,7529
Nicolas,R.H. 3561,4047
Nicoloso,M. 8339
Nielsen,H. 7445
Nielsen,O.F. 1543
Nielsen,P.J. 6867
Nigon,V. 7529
Nikaido,T. 1505,7579
Nilsson,B. 1151
Nishigaki,K. 5747
Nishiguchi,M. 5585
Nishimura,S. 3213
Nogueira,N. 5789
Noller,H. 4171
Noma,T. 7579
Nomiyama,H. 1649
Nomura,A. 8893
Nomura,H. 5869
Nomura,M. 3891
Nomura,T. 7647
Noon,W.A. 4971
Norrby,E. 1559,7795
Notake,M. 5869
Novitski,C.E. 1327
Nowell,P.C. 381
Nowock,J. 2045
Nudel,U. 3723

Obayashi,A. 3261,7015,7979, 8685
Obinata,M. 4365
Ogasawara,N. 2251,2267
Ogilvie,K.K. 6447
Ohme,M. 1045
Ohno,M. 1593
Ohno,T. 5585
Ohta,T. 1623
Ohta,Y. 8843
Ohtsuka,E. 3685,7119,7183
Ohue,M. 5869
OhUigin,C. 167,6017
Okada,N. 7195
Okada,T.S. 1593
Okada,Y. 5585
Okawa,N. 7639
Okazaki,T. 4953,6847
Okruszek,A. 8749
Okuda,A. 6049
Old,R.W. 7341
Oliver,S.G. 4097,6679
Olofsson,S.O. 8813
O'Neill,V.A. 4765
Ooi,B.G. 1327
Oomen,A. 2087
Orgel,L.E. 2469
Orme-Johnson,W.H. 4539
Orozco,E.M.,Jr. 1283
Ortín,J. 7913,7959
Osawa,H. 1505
Oshima,A. 8685
Ott,J. 6317,8765
Ovchinnikov,Yu.A. 3651

Palau,J. 1493
Pan,J. 7515
Panayotatos,N. 2227
Pandolfo,M. 337,6577
Pannekoek,H. 4699,8289
Panzica,M. 8105
Paonessa,G. 8359
Pape,L.K. 6171
Parish,R.W. 15
Pastan,I.H. 8275,8477
Pastrana,R. 3083
Paterson,M.C. 7067
Paul,J. 6125
Paule,M.R. 6237
Peacock,W.J. 727
Pearlman,R.E. 2647,2661
Pears,C.J. 8853
Pearson,G.D. 5173
Pearson,M.L. 8219
Pearson,P.L. 3419,7167
Pease,R. 6789,6790,6791,6792, 6793
Pedersen,N. 4203
Pellegrini,M. 3861
Pellicer,A. 3917
Penhoet,E.E. 5297
Pennica,D. 6361
Pentecost,B.T. 4871
Pereira da Silva,L. 4191
Perez-Stable,C. 6059
Perlino,E. 8359
Perrault,J. 6797
Pesey,H. 8787
Peterson,D. 8729
Petropoulos,C.J. 8105
Pettersson,U. 6299
Petteway,S.R.,Jr. 8219
Pflugfelder,G. 8165
Philipson,L. 1151
Phillips,I.R. 4610
Phillips,S.L. 2699
Picard,D. 8901
Piechaczyk,M. 1431
Pieler,C. 2111
Pilaete,M.-F. 7687
Piper,M. 3711
Pitha,P.M. 805,825
Plant,A.L. 8305
Planta,R.J. 701,5027,7729
Pleij,C.W.A. 1717,7673
Plucienniczak,A. 985
Plumb,M.A. 4047
Plumbridge,J.A. 3371,3699
Plutzky,J. 5233
Pohl,V. 5127
Pohlenz,H.-D. 6515
Poli,V. 3841
Poltev,V.I. 141
Pon,R.T. 6447
Pongs,O. 2709
Poonian,M.S. 3479
Pope,F.M. 4613
Popoff,S. 7395
Popp,F. 5895
Porschke,D. 3667
Portela,A. 7913,7959
Posfai,G. 6403
Post,L. 3891
Potapov,V.K. 8969
Potter,S.S. 485,1027
Powell,C.T. 7299
Powell,L. 6789,6790,6791, 6792,6793
Prakash,L. 2357
Prakash,S. 2357
Prat,S. 1493
Pratt,K. 4765
Preston,C.M. 7865
Price,J.V. 1871
Pridmore,R.D. 5657
Priestley,L.M. 6387,6789,6790, 6791,6792,6793
Printz,R. 1073
Procunier,J.D. 2869
Prudhomme,J.-C. 1801
Prydz,H. 3551
Puigdomènech,P. 1493
Pulleyblank,D.E. 4343
Puma,J.P. 2017
Pursley,M.H. 5771
Püschel,A.W. 2045
Pywell,J. 7327

Quadrifoglio,F. 8955
Quadt,R. 8289
Quail,P.H. 8543
Quan,F. 8288
Quigley,G.J. 2305
Quignard,E. 7829
Quinn,J.P. 8143
Quiroga,M.R. 2017

Rabbitts,T.H. 6651
Racaniello,V.R. 3969
Radbruch,A. 8901
Rae,P.M.M. 3221
Rafalski,J.A. 3905,8729
Rahire,M. 975
Raibaud,O. 1163,5919
Rall,L.B. 6387
Ramirez,F. 2207,2815,3427
Ramsey,W.J. 4239
Ramstein,J. 3773
Randall,P.J. 999
Randolph,A. 2017
Rao,A.S. 1965
Rapoport,A. 2141
Ratner,L. 5007,8219
Rautmann,G. 711
Ravel-Chapuis,P. 1801,7529
Ray,D.S. 7107
Razin,S.V. 7427
Reddy,B.V.B. 185
Reddy,E.P. 8219
Reddy,L.V. 3533
Reddy,R. r155
Redfield,A.G. 5249
Reece,K.S. 2485
Reed,K.C. 7207
Reeder,R.H. 8999
Reeders,S. 4609
Reese,C.B. 5215
Reeves,R. 3599
Regier,D.A. 2773
Reid,B.R. 3755
Reiss,B. 893
Reiter,J. 1683
Reitz,M.S.,Jr. 5007
Renkawitz,R. 3581
Restagno,G. 3841
Revankar,G.R. 5341
Revel,M. 1267
Reynolds,P. 2357
Reznikoff,W.S. 2457
Riabowol,K. 5563
Riazance,J.H. 4983
Riazuddin,S. 7153
Ricca,G. 8286
Riccio,A. 1841,2759,5404
Rich,A. 2305
Richards,C. 7095

Richards,D.M. 6733
Richards,K. 6663
Riddell,D.C. 6605
Riddle,R.R. 573
Rider,P. 4485
Riede,I. 605
Riehl,N. 8339
Rienitz,A. 5685
Riesner,D. 355
Rietveld,K. 1717
Rinke,J. 2617
Riordan,J.R. 7413
Riva,S. 337,5545,6577
Riviere,C. 1891
Rixon,F.J. 953
Robert,B. 4623
Roberts,N.A. 6249
Roberts,R.J. 6403,r165
Roberts,T.M. 501
Robertson,H.D. 4889
Robertson,M.E. 6387
Robins,A.J. 1369
Robins,R.K. 5341
Rochaix,J.D. 975,8531
Roche,J. 2843
Rode,A. 8603
Roggenkamp,R.O. 3043,3063
Romaniuk,P.J. 5369
Roques,B.P. 3773
Rosenberg,L.E. 943
Rosenberg,M. 1841
Rosenthal,A. 1173,8983
Roth,E. 2293
Rothblum,K.N. 1223
Rothwell,V. 3161
Roux,K.H. 7041
Roy,P.H. 8441
Rubin,B.C. 5297
Ruddle,F.H. 3015
Rüger,W. 7551
Rupp,R.A.W. 2045
Rupp,W.D. 7395
Rusche,J.R. 1997
Rush,M.G. 8247
Rüther,U. 4143
Ruysschaert,M.-R. 4417
Rycyna,R.E. 5949
Ryskov,A.P. 6423

Sabe,H. 59,1505,7579
Sachs,M.M. 727
Saffhill,R. 7153
Sagher,D. 4285
Sahli,R. 3617
Saito,H. 7015
Sakaguchi,A.Y. 6361
Sakai,K. 5403
Sakai,M. 6049
Sakaki,Y. 7813
Sakakibara,M. 5055
Sakamoto,H. 1593,2063
Sakamoto,K. 7195
Sakimura,K. 4365
Sakiyama,S. 3031
Salas,M. 1239,3083,7715
Salzman,N.P. 4067
Samaras,N. 4155
Samson,C.J. 6375,8181
Sancar,A. 7395
Sancar,G.B. 8231
Sanchez-Pescador,R. 2017
Sander,M. 1057
Sanford,D.G. 5907
Sangiorgi,F.O. 2207,2815
Santella,R.M. 2533
Santerre,R.F. 5233
Santos,T. 6545
Sargan,D.R. 3805
Sarokin,L. 6089
Sasaki,T. 3515
Sassone-Corsi,P. 1209
Satake,M. 1559,7795
Saunders,G.F. 521,8827
Saunders,J.K. 7067
Sawadaishi,K. 7183
Scaife,J. 369
Scambler,P.J. 3016,6787,6788
Scandella,C.J. 2017
Scanlon,D.B. 7837
Scarpato,N. 5404
Scarpulla,R.C. 763
Schaack,J. 2803,8739
Schäfer,M. 1251
Schaffhausen,B. 501
Schaffner,W. 7457,8901
Schaller,H. 893
Schattenkerk,C. 3635
Schell,J. 4777,6981
Schenborn,E.T. 6223
Scherf,A. 4191
Schindler,C.W. 8247
Schleif,R. 5019
Schleifer,K.H. 5895
Schlessinger,D. 1185,5041
Schmeckpeper,B.J. 5724
Schmidlin,S. 15
Schmidt,M. 3461
Schmidt,R.J. 5233
Schmidt,T. 3861
Schmidt,W. 8749
Schmitt,R. 3335
Schneider,M. 8531
Schofield,P.R. 3407
Schollmeier,K. 4227
Schreiber,G. 7663
Schroeder,E. 985
Schroeder,W.T. 521
Schüller,A. 4143
Schulz,M.-F. 1923
Schumacher,J. 355
Schumaker,V.N. 6937
Schumann,R. 7139
Schumperli,D. 1841
Schürmann,P. 4299
Schuster,A.M. 3471
Schwartz,M. 3419
Schwartz,R.J. 1223
Schwarzbauer,J. 6767
Schwertner,S. 1173
Scott,J. 6387,6787,6789,6790, 6791,6792,6793
Scott,J.F. 2943
Scovell,W.M. 2881
Sealey,P.G. 1905
Sebastio,G. 2759,5404
Seeberg,E. 1483
Seela,F. 911
Sekeris,C.E. 7993
Sekiguchi,M. 1483
Selzer,G. 1923
Semon,D. 1923
Senapathy,P. 5833
Senior,M. 573
Seno,T. 2035
Séraphin,B. 3005
Serfling,E. 7457
Seurinck,J. 5441
Sevignac,M. 8603
Shabarova,Z.A. 8969,8983
Shafer,R.H. 4133
Shall,S. 3711
Shao,K. 8181
Sharp,P.A. 841
Sharp,P.M. 1389
Sharp,S. 435
Sharp,Z.D. 2869
Shaw,D.J. 8661
Shearin,J. 777
Sheflin,L.G. 6137
Sheikh,S.A. 7341
Shen,C.-K.J. 6059
Shenk,T. 8053
Shephard,E.A. 4610
Shewry,P.R. 6817
Shick,V.V. 3439
Shiloh,Y. 5403
Shimada,K. 1649
Shimizu,A. 1505,7579
Shimizu,K. 2035
Shimura,Y. 1593,2063
Shinozaki,K. 1045
Shinriki,N. 7183
Shirabe,K. 4687
Shirsat,A.H. 6733
Shmookler Reis,R.J. 5563,7055
Short,M.N. 7237
Short,S. 5927
Showe,L.C. 4921
Shows,T.B. 6075
Shpaer,E.G. 275
Shu,H.H. 859
Shyman,S. 5085
Sibbet,G. 6125
Sibilli,L. 4191
Sibler,A.P. 1341
Siegel,A. 1575,8507

Sievers,E.L. 1871
Silengo,L. 3841
Sillerud,L.O. 2097
Silverman,P.M. 3979
Simeone,A. 1089
Simon,A. 6789
Simon,M. 3005
Simpson,A.M. 2337,5977
Simpson,L. 2337,3241,5977
Simpson,R.T. 6185
Singer,R.H. 1777
Siniscalco,M. 7539,7540
Sippel,A.E. 2045
Sirdeshmukh,R. 1185,5041
Skalski,B. 2989
Skern,T. 2111
Skingle,D.C. 745
Skoglund,C. 2097
Skone,P.A. 5215
Skorupa,E.S. 1103
Slightom,J.L. 6483
Sloof,P. 4171
Small,D. 2413,7703
Smeekens,S. 3179
Smith,B. 2017
Smith,C.A. 557,8129
Smith,D. 6361
Smith,J.M. 1303
Smith,K.D. 5724
Smith,L.M. 2399
Smith,T.F. 645
Smithies,O. 6559
Snippe,L. 5189
Soares,M.B. 1119
Sobel,M.E. 2207,2815
Söderlund,H. 2789
Söll,D. 435,2803,3905,5697, 8729,8739
Solomon,A. 6499
Solomon,E. 4613
Somasekhar,M.B. 5591
Sommer,D. 3419
Sommergruber,W. 2111
Sorbaz,H. 2293
Soriano,F. 7715
Sosa-Pineda,B. 5789
Southern,E.M. 1905
Speer,A. 3419
Spence,S.E. 2171
Spencer,D. 999
Spencer,V.M. 8715
Spiegler,A.W.J. 3419
Spieth,J. 5283,7129
Spinelli,G. 8065
Spithill,T.W. 4155
Spitnik-Elson,P. 4719
Sprecher,C. 537
Sprengel,R. 893
Springer,M. 3699
Sprinzl,M. 6283,r1,r51
Sproat,B.S. 2959,2979
Stahl,H.D. 7837
Stalder,H.-P. 5471
Stalder,J. 7899
Stanley,J. 2189
Starcich,B. 8219
Staub,A. 3305
Stauffer,G.V. 673,7025
Stavnezer,J. 3495
Steele,R.E. 1747
Steimer,K.S. 2017
Steinbicker,V. 3419
Steinum,A.-L. 1483
Steitz,J.A. 2617
Stewart,G.D. 4125,7169
Stewart,T.S. 435
Stieger,M. 389
Stoker,N.G. 4613
Stoll,M. 3905
Storti,R.V. 1763
Strand,D.J. 4401
Strauss,B. 4285
Streeck,R.E. 985,3147
Striker,G. 3667
Strokov,A.A. 3439
Struhl,K. 8587
Stuart,K. 3161,4577
Stuitje,A.R. 8797
Stutz,E. 4299
Suggs,J.W. 5707
Sugioka,Y. 6049
Sugisaki,H. 6591,7107
Sugiura,M. 1045
Sugiyama,T. 3905,8729
Summers,M.F. 6375,8181
Sumner-Smith,M. 3905
Sun,L.-H.K. 4921
Sun,X.-H. 2[illegible]5
Sundquist,W.I. 45
Sunter,G. 4645
Suyama,Y. 3273,7639
Suzuki,N. 7579
Suzuki,R. 6635
Swartz,M.N. 6695
Swetly,P. 4739
Swimmer,C. 8053
Swinton,D. 3471
Symons,R.H. 745,2907,5843
Syvänen,A.-C. 2789
Szabo,P. 7539,7540
Szer,W. 3917
Szeto,W.W. 4539
Szibor,R. 3419
Szymkowiak,Ch. 3953

Taboury,J.A. 4469
Tachibana,H. 9031
Tachibana,S. 1817
Taillandier,E. 4469
Takagi,J.S. 2063
Takahashi,H. 7015
Takahashi,T. 6635
Takahashi,Y. 4365
Takakusa,N. 3515
Takanami,M. 4085
Takata,R. 7289
Takeda,S. 1505
Takeishi,K. 2035
Talarico,D. 5545
Tamai,K. 6635
Tamame,M. 6545
Tamaoki,T. 6794
Tanabe,K. 6635
Tanaka,T. 5747
Tandeau de Marsac,N. 6745, 7223
Tanner,N.K. 7741,7759
Tanzi,R.E. 6075,7169
Targovnik,H. 5127
Tavernier,J. 4417
Taylor,D.A. 5707
Taylor,J.W. 8749,8765
Teissere,M. 6155
Tenchini,M.L. 3823
Téoule,R. 319,3343,7829
Thakur,A.R. 5883
Theophilus,B.D.M. 8129
Theriault,G. 8441
Thiele,B. 5629
Thomas,C.M. 557,4557,7359, 8129
Thomas,R.A. 8507
Thompson,E.A. 7499
Thompson,E.A.,Jr. 3357
Thompson,R.D. 6833
Thompson,R.J. 873
Tiedeman,A.A. 1303
Tillib,S.V. 6423
Timmerman,K.P. 2127
Tinoco,I.,Jr. 4811,4983,8927
Tizard,R. 4417
Tjian,R. 1015
Toba,M. 1623
Tognoni,A. 7457
Toh-e,A. 4267,6273
Tohdoh,N. 6847
Tokunaga,K. 3031
Tokushige,M. 2063
Tolan,D.A. 5297
Tomaschewski,J. 7551
Toomey,N.L. 8623
Tossi,A.B. 6017
Townsend,R. 2189
Trachsel,H. 6867
Tran Dinh,S. 3343
Trapman,J. 791
Travers,A.A. 4445
Trempe,J.P. 4853
Tricoli,J.V. 6075
Tromp,M. 4935
Trowsdale,J. 1607,8883
Truong,K. 2227
Tse-Dinh,Y.-C. 4751
Tsichlis,P.N. 8379
Tsipouras,P. 2207
Tso,J.Y. 2485

Tsui,L.C. 7413,8288
Tsui,P. 3979
Tsujimoto,Y. 381
Tsuzuki,T. 1649
Tu,C.-P.D. 2127
Tucker,P.W. 5611
Tunnacliffe,A. 6651
Turcotte,B. 2387
Turpin,P.Y. 2075
Tyagi,J.S. 8275
Tyler,B.M. 4311
Tzagoloff,A. 6171

Ueda,K. 449
Ueda,T. 7183
Ughetto,G. 2305
Uhlen,M. 1151,8913
Ulfendahl,P.J. 6299
Undritsov,I.M. 3439
Urbanowski,M.L. 673
Urdea,M. 6387
Usachenko,S.I. 3439
Utatsu,I. 4267

Vaitkevicius,D. 5727
Valentin-Hansen,P. 5927
Valentini,O. 337,6577
van Belkum,A. 7673
van Binsbergen,J. 3179
van Boom,J.H. 927,2305,3317, 3635,4935
van de Putte,P. 1829,5095
van den Berg,E.A. 1829
Van den Burg,J. 4171
van den Heuvel,J.J. 7729
Van der Heyden,J. 4417
van der Marel,G.A. 927,2305, 3317,3635
Van der Ploeg,L.H.T. 3533
van der Vliet,P.C. 4935
van Driel,W. 4935
van Duin,J. 6955
Van Etten,J.L. 3471
van Heerikhuizen,H. 5457
Van Heuverswyn,H. 4417
van Kessel,A.G. 4699
Van Montagu,M. 4777,5441
van Mourik,J.A. 4699
van Ommen,G.J.B. 7167
van Ormondt,H. 6745
van Raamsdonk-Duin,M.M.C. 701,5027,7729
Van Vliet,A. 4417
van Workum,M.E.S. 8207
van Zonneveld,A.-J. 4699
Vance,V.B. 7499
Vara,J. 7913
Vassart,G. 5127
Veiko,V.P. 8983
Velten,J. 6981
Venetianer,P. 6403
Venkatesan,S. 1559,7795
Verde,P. 2759,5404
Verger,R. 1891
Verhoeyen,M.E. 8561
Verma,D.P.S. 239
Verrips,C.T. 3043,3063
Verweij,C.L. 4699,8289
Vestal,M.L. 8197
Vidal-Ingigliardi,D. 1163,5919
Villanueva,J.R. 6545
Vinogradova,M.N. 8983
Visser,B. 8207
Visser,C. 3043,3063
Visvader,J.E. 2907,5843
Vizard,D.L. 473
Vogelstein,B. 2413,7703
von Hippel,P.H. 3739
Voogd,A. 4171
Vora,A.C. 6205
Vorderwülbecke,T. r51

Waalwijk,C. 8207
Wade,D.L. 4133
Wadsworth,S.C. 2153
Wagner,R. 3953
Wainwright,B.J. 4610
Wakabayashi,T. 1817
Wakarchuk,W.W. 2569
Wakasugi,S. 1649
Wake,S.A. 7929
Wakuda,H. 5747
Wallace,S.S. 8035
Wallis,S. 6387,6789,6790, 6791,6792,6793
Walsh,A.M. 6621
Wang,A.H.-J. 2305
Wang,K. 5173
Wang,R.Y.-H. 4837
Wang,S.-W. 1369
Wang,X. 6937
Ward,C.A. 3479
Ward,E. 3335
Ware,V.C. 3581
Waring,M.J. 595
Waring,R.B. 6679
Warmington,J.R. 4097,6679
Warren,R.A.J. 2569
Wartell,R.M. 7483
Watanabe,K. 6794,8843
Waterman,M.S. 645
Waters,A.F. 8441
Watkins,P.C. 6075
Watson,E.K. 4610
Watson,J.M. 3407
Waye,J.S. 2731
Waye,M.M.Y. 8561
Wayne,R.L. 2869
Weatherall,D.J. 2897
Weaver,R.F. 8019
Weaver,S. 5085
Weber,R. 3979,7899
Weeks,D.L. 5389
Weil,D. 3427
Weil,J.-H. 4411
Weinfeld,M. 7067
Weisbeek,P. 3179
Weissbach,A. 3479
Weissman,S.M. 7515
Wek,R.C. 3995
Welfle,H. 2325
Wells,J.R.E. 585,1369
Wells,R.D. 5645
Wemmer,D.E. 3755,8611
Wende,M. 9043
West,R. 6937
Westergaard,O. 1543
Westerink,H.P. 927
White,B.N. 6605
White,J.H.M. 8323
White,J.W. 521
Whittaker,P.A. 1905
Whitton,J.L. 1347,7847
Wiese,E. 5423
Wiklund,O. 8813
Wilhelm,M. 5717
Willard,H.F. 2731,5724
Wille,G. 3317
Williams,J.G. 5407,8853
Williams,K.R. 943
Williams,L. 659
Williams,L.T. 8477
Williams,P.H. 5965
Williamson,C.L. 943
Williamson,R. 155,3016,6787, 6788
Wilson,P.W. 8867
Wilson,W. 4097,6249
Winkler,M.E. 5297
Winnie,J.N. 5657
Winning,R. 5423
Winter,G. 4431,8561
Wintzerith,M. 3305,3305
Wirth,T. 3461
Witsenboer,H.M.A. 5027
Wittig,B. 9043
Wittinghofer,F. 7139
Wold,W.S.M. 5771
Wolf,W. 1517
Wolff,P. 355
Wolfson,J.S. 6695
Wolstenholme,D.R. 4029
Wolters,J. r105
Wong-Staal,F. 5007,8219
Wood,W.G. 2897
Woodhouse,M. 4609
Woodrow,G. 7837
Woudt,L.P. 7729
Wreesmann,C.T.J. 3635
Wright,A.P.H. 3711
Wright,C.A. 3561,4047
Wright,G.E. 6331,8623
Wright,J.M. 4871
Wu,H.H. 3931
Wu,R. 617,631,2485,3195
Wu,T.-C. 6185

Xodo,L. 8955

Yaffe,D. 3723
Yamada,M. 5869
Yamagishi,J. 5869
Yamane,A. 3685
Yamayoshi,M. 5869
Yang,F. 8007
Yao,M.-C. 5817
Yarovaya,O.V. 7427
Yarsa,J. 473
Yasuda,H. 4953
Yasuda,K. 1593
Yaswen,P. 8105
Yatsuki,H. 5055
Yoda,K. 3031
Yodoi,J. 1505
Yolov,A.A. 8969,8983
Yonesaki,T. 7473
Yoshida,S. 6635
Yoshikawa,H. 2251,2267
You,K.H. 4765
Young,B.D. 2931,5761
Young,J.A.T. 8883
Young,K. 5203
Young,R.M. 2171
Yu,X.-M. 2457
Yuan,R. 2827
Yugai,A.A. 1135,7079

Zabeau,M. 3823
Zachau,H.G. 6499,6515
Zalenskaya,I.A. 3439
Zarling,D.A. 1683
Zavou,S. 3561
Zbarsky,I.B. 1135
Zegers,B.J.M. 3495
Zengel,J.M. 3891
Zenke,W.M. 3305
Zettlmeissl,G. 985,3147
Zhang,X.-Y. 4837
Zielinski,W.S. 2469
Zielonacka-Lis,E. 2443
Zimmerman,S.B. 2241
Zon,G. 6375,8181
Zucker,E. 7129
Zurawski,G. 4521
Zurawski,S.M. 4521
Zwarthoff,E.C. 791
Zwieb,C. 6105,8631

Acarithamoeba castellanii,
rRNA promoter, transcription in cell-free system 6237
Acinetobacter calcoaceticus,
restriction endonuclease *Acc*III, activity/inhibition 8685
Actin,
genes, expression, detection, *in situ* hybridization, quantitative analysis 1777
genes, α-cardiac, sequence 1223
Adenovirus,
DNA replication, site-directed mutagenesis, nuclear factor I binding site, Ad2 origin 4935
E1A gene products, RNA polymerase III-transcribed genes, differential activation 1413
replication *in vivo*, sequences required 5173
TGGCA proteins, binding 2045
Adenovirus 2,
E3 transcription unit, 5′ splice site, novel deletion mutants 5771
Adenovirus 5,
promoters, EIII, transcriptional analysis 1209
recombinant, non-viral protein synthesis, tripartite leader effect 841
Adenovirus 12,
cloned *Eco*RI-C fragment, rat, viral DNA, structure 6591
Adenovirus E3,
early promoter, activation by E1A, sequences required 5389
Adenovirus-2 E1A,
mRNA 13S, splicing, minimal intron length/specific intron signals 6299
Agrobacterium,
Ti plasmid pTiB6S3, cloning vectors, gene transfer 4777
AIDS,
human T-lymphotropic virus type III, 3′ open reading frame/polymorphism 8219
Albumin,
α-fetoprotein/group-specific component, evolutionary and structural relationships 8007
genes, DNase I sensitivity 115
Alcohol dehydrogenase,
Adh2 genes, maize, molecular analysis 727
Aldolase B,
mRNA, human, nucleotide sequence 5055
Algae,
deoxyribonucleosides, isolation, purification, ^{13}C-enriched DNA 2097
cAMP,
colicin E1 gene, cAMP receptor protein, positive regulation 4687
Antibiotics,
aminoglycosides G-418 and paromomycin, nonsense mutation/suppression, mammalian cells 6265
Apocytochrome *b*,
genes, wheat, mitochondria, absence of prokaryotic ribosome binding site 2281
mitochondrial DNA sequences, *Trypanosoma brucei* 4577
Artemia salina,
hnRNP protein, cDNA sequence, cloning, conservation through evolution 3917
Aspartase,
genes, *Escherichia coli* W, sequence 2063
Aspergillus nidulans,
arom locus, biosynthetic dehydroquinase function, nucleotide sequence 8119
ATPase,
mitochondria, subunit 9, *Saccharomyces cerevisiae*, sequence analysis, *mit*$^-$ mutations, *oli1* gene 1327
Attenuation,
ermC, ribosome-binding studies, structural analysis 7307
Avena,
phytochrome, analysis of cloned cDNA/genomic sequences 8543

Bacillus licheniformis,
subtilisin Carlsberg, cloning/sequencing/expression 8913
Bacillus subtilis,
bacteriophage φ105, immunity repressor gene, nucleotide sequence, mutational analysis 5441
*Bsu*RI restriction-modification system, genes, expression, *Escherichia coli*, nucleotide sequence 6403
chromosome, replication origin *oriC*, structure, function, nucleotide sequence 2251
chromosome, replication origin *oriC*, structure, function, transcription, DNA gyrase genes 2267
phage φ29, linkage, terminal protein/DNA, serine residues 7715
phage φ29, protein P6, overproduction and purification, initiation of DNA replication 3083
protein synthesis, translationally coupled initiation 893
short DNA chains, 5′ ends, alkali-labile structures 4953
xylose isomerase gene, nucleotide sequence, *Escherichia coli*, homology 5717
***Bacillus subtilis* 168,**
fumarase *citG* genes, sequence 131
Bacillus thuringiensis,
subsp. *israelensis*, Mr 28000 crystal protein gene, molecular cloning and nucleotide sequence 8207
Bacteriophage MS2,
RNA, replicase genes, coat protein, translational coupling 6955
Bacteriophage φX174,
mRNA stability, cloned DNA sequences 5937
Bacteriophage T4,
α-/β-glucosyltransferases, genes, cloning, sequencing data/comparison 7551
Bacteriophage T5,
rho-dependent transcription terminator, localization/characterization 7687
Biotin,
labelled synthetic oligodeoxyribonucleotides, chemical synthesis, hybridization probes 1529

labelling, oligodeoxyribonucleotides, chemical, enzymatic 45
BK virus,
TGGCA proteins, binding 2045
Bleomycin,
bithiazole moiety, intercalation 6703
DNA cleavage, sequence specificity 1467
Bombyx mori,
genes, P_{25}, structure, 5′ flanking DNA comparison, fibroin 1801
Brassica oleracea,
chloroplast tRNA gene, divergence, gene conversion 8603
Burkitt's lymphoma,
cell line EB4, Ig λ light chain mRNA, cloning, sequence analysis 2931
cell line expressing kappa light chains, rearranged $V_\lambda 2$ cloning, sequencing 4921
immunoglobulins, c-*myc*, reciprocal translocation products, structural analysis 2141
N-butyrate,
β^A chromatin solubility, immature chicken erthrocytes incubation 1977

Caenorhabditis elegans,
vit-5 gene, nucleotide sequence 7129
vitellogenin genes, promoter regions, short sequence repeats, homology to vertebrate genes 5283
Caerulein,
precursor, *Xenopus laevis* skin, mRNA, repetitive sequence 1817
Calcium binding protein,
chick, putative amino acid sequence 8867
Candida pelliculosa,
β-glucosidase genes, nucleotide sequence 6273
Carcinogenesis,
rat liver, alphafetoprotein genes, methylation 8105
Cauliflower mosaic virus,
DNA, plus strand, additional discontinuities 7359
DNA synthesis, *in vitro*, primed RNA templates, reverse transcription 4557
gene V, subgenomic mRNA/detection 8305
Chlamydomonas reinhardtii,
chloroplast ribosomal unit, flanking regions, repetitive elements, sequence organization 8531
chloroplasts, ribosomal intron, sequence 975
topoisomerases, ATP-dependent supercoiling, chloroplast transcript accumulation 873
Chloramphenicol acetyltransferase,
genes, expression, DNA damage, transfection, diploid human fibroblasts 2087
Chlorella,
viruses, DNA methylation 3471
Chlorophyll *a/b*,
binding protein genes, petunia, gene families, comparison 2503
Chloroplast,
Chlamydomonas reinhardtii, ribosomal intron, sequence 975
genes, tobacco, $tRNA^{Glu}_{UUC}$/$tRNA^{Tyr}_{GUA}$/$tRNA^{Asp}_{GUC}$, structure, co-transcription 1045
promoters, higher plants 7543
proteins genes, transcription initiation *in vitro* 1283
Chromatin,
analysis of changes, globin/non-globin chromatin, expression, cell hybrids 5629
assembly *in vitro*, facilitation, hyperacetylated histones 401
Dictyostelium discoideum, histone H1, lysine-rich protein 15
nuclease-hypersensitive sites, estrogen-inducible apoVLDL II gene, chicken 5189
structure, histone H1° involvement 2843
structure, sea urchin, early histone genes/embryogenesis 6185
supercoiled plasmid DNA, minichromosome assembly, butyrate treatment 3599
β^A Chromatin,
solubility, N-butyrate incubation, immature chicken erythrocytes 1977
Chromophore,
neocarzinostatin, activation, nascent DNA damage, molecular oxygen 1637
Chromosomes,
human 21, polymorphic DNA segments, isolation 6075
human X, Duchenne muscular dystrophy 3417
human X, α-satellite DNA, sequence 2731
rearrangements, repetitive elements, mouse genome 5085
X/Y, homology, localization/evolution 5485
Citrus exocortis viroid,
monomeric cDNA clones, infectivity, *in vitro* mutagenesis, precursor site 5843
sequence variants, pathogenicity, correlation 2907
Collagen (type II),
gene, human, polymorphic region 4613
proα1 chain, cDNA analysis, genomic clones, coding 2815
Collagen (type III),
gene COL 3A1, human, RFLP 4609
Collagen proα1(II),
gene, human, isolation, characterization 2207
Copia,
transcription, environmental stress, heat-shock promoters 4401
Corynebacterium diphtheriae,
diphtheria toxin promoter function 3147
Crithidia fasciculata,
9S and 12S RNA, ribosomal function, evidence 4171
minicircle DNA, sequence heterogeneity 7107
Crown gall tumour,
octopine, plasmid DNA plasmids, unusual organization 459
δ-Crystallin,
genes, chicken, sequence 1593
Cyanobacteria,
Calothrix PCC 7601, gas vesicle protein gene, molecular cloning/nucleotide sequence 7223
Synechocystis 6701, deoxynucleotide sequence, restriction endonuclease *Sec*I 6745

Cytidine,
5-substituted derivatives, hydrolysis/deamination, competition 2451
Cytidylyl-3′,5′-guanosine,
proflavine, intercalation complex, crystal structure, thermal motion analysis 5671
Cytochrome *c*,
genes, *Drosophila melanogaster*, characterization 631
genes/pseudogenes/mouse somatic, characterization 617
processed pseudogenes, truncated, rat long interspersed repeat family association 763
Cytochrome P_1-450,
genes, dioxin(2,3,4,8-tetrachlorodibenzo-*p*-), human, assignment, chromosome 15 2009
Cytochrome P-450,
gene, 19q 13.1-qter, RFLP, human 4610
Cytokinins,
N^6(δ^2-isopentenyl) adenosine, purification of antibodies 5833
Cytosine,
abasic sites, termination signals, DNA synthesis 4285

3-Deazaguanine,
sodium salt glycosylation, 7-(β-D-ribofuranosyl)/7-(2-deoxy-β-D-ribofuranosyl) derivatives, synthesis 5341
***Deinococcus radiophilus*,**
restriction endonuclease *Dra*II/*Dra*III 1517
Deoxynucleosides,
γ-irradiated, malondialdehyde precursors 9011
Deoxynucleotides,
γ-irradiated, malondialdehyde precursors 9011
Deoxyoligonucleotides,
duplex, N-acetoxy-2-acetylaminofluorene modification 5907
Deoxyribonucleosides,
algae, isolation, purification, ^{13}C-enriched DNA 2097
Dexamethasone,
α-fetoprotein gene transcription, inhibition 3873
Diamminedichloroplatinum (II),
DNA, *uvr*ABC excision nuclease, reactions 7395
isomers, supercoiled DNA, unwinding, torsional strain 2881
***Dictyostelium discoideum*,**
chromatin, histone H1, lysine-rich protein 15
cysteine proteinase genes, characterization 8853
Dioxin(2,3,4,8-tetrachlorodibenzo-*p*-),
cytochrome P_1-450 genes, human, assignment, chromosome 15 2009
DNA,
adenovirus, replication, site-directed mutagenesis, nuclear factor I binding site, Ad2 origin 4935
altered contacts, mutant AraC protein 5019
Bacillus subtilis phage π29, terminal protein, linkage, serine residues 7715
Bacillus subtilis, short chains, 5′ ends, alkali-labile structures 4953
binding activity, sequence-specific, β-globin genes, chicken 4047
binding proteins, hnRNA proteins, mammalian, common antigenic determinants 337
biotinylated probes, detection, blot hybridization 8083
B−Z transition, nucleic acid structure, effect on conformational dynamics, ethidium dimer 3773
cassava latent virus, replication, encapsidation 2189
cauliflower mosaic virus, plus strand, additional discontinuities 7359
cleavage, bleomycin, sequence specificity 1467
cloned sequences, mRNA stability, bacteriophage ϕX174 5937
cohesion of fragments with complementary termini, macromolecular crowding 2241
conformations, detection/mung bean nuclease/supercoiled pBR322 DNA/promoter and terminator regions 6137
covalently closed, supercoil-induced cruciforms, melting transition 5883
cruciform extrusion, kinetics, base sequence 1443
cyclobutane dimers/pyrimidine-pyrimidone (6-4) photoproducts, u.v. light, structural determination 5317
d(AT)n-d(AT)n, cruciform transition 4343
damage, sequence specific, reducing sugars 449
diamminedichloroplatinum (II) damage, *uvr*ABC excision nuclease, reactions 7395
double helix conformation, mispair incorporation 141
duplex, melting properties 3111
duplex, single base substitutions, GC-clamp 3131
duplex-hairpin transitions, NMR studies 3755
dynamics and drug-DNA interaction, steady state fluorescence anisotropy 2603
exogenous, transduction into mammalian cells, Simian virus 40 8573
genomic sequences, plasmid libraries, direct cloning, fragment enrichment 7569
HeLa cells, isolated nuclei, synthesis 3551
helicase, mammalian 5471
herpes simplex virus type 1 genome, sequence 8143
human nuclear, mitochondrial-like, molecular structure 1649
human, sequences, gamete-specific hypomethylation 4837
interspersed repetitive, Alu family, integration site preferences 8939
γ-irradiated, malondialdehyde precursors 9011
ligase gene, nucleotide sequence, *Saccharomyces cerevisiae* 8323
linear extrachromosomal, *Physarum polycephalum*, replication, *Saccharomyces cerevisiae*/*Schizosaccharomyces pombe* 1855
macronuclear, *Tetrahymena thermophila* 5817
maize streak virus, bidirectional transcription, identification of coat protein gene 7237
methyl phosphotriester repair, Ada regulatory protein, *Escherichia coli* 2683

methyl phosphotriesters, stereospecific removal, *Escherichia coli ada*+ extract 7067
methylation, developmental modulation, *Phycomyces blakesleeanus* 6545
methylation, herpes simplex thymidine kinase gene expression, inhibition, indirect effect 5503
methylation, human chorionic gonadotropin α-subunit, inheritance, interclonal variability in fidelity 7055
methylation, *in vitro* DNA synthesizing system, fibroblasts, mouse, characteristics 2827
methylation, specificity of enzyme binding 3479
methylation, thermophilic bacteria, N^4-methylcytosine, 5-methylcytosine, N^6-methyladenine 1399
methylation, viruses, *Chlorella* 3471
minicircle, *Crithidia fasciculata*, sequence heterogeneity 7107
mithramycin/related ligands, sequence-selective binding 8695
mitochondrial sequences, apocytochrome *b*, *Trypanosoma brucei* 4577
molecules, knots, deletion mutants, bacteriophage P4 6695
monoclonal antibodies, modification, 8-methoxypsoralen/ultraviolet A 2533
mouse satellite, sperm, somatic tissue, undermethylation 3969
mutagenesis, chemical, simple method 1773
non-coding stand, analysis 1389
phage φW-14, sensitivity, restriction endonucleases, α-putrescinylthymine 2559
phosphorothioate-modified, restriction enzyme reactions, preparation of nicked DNA 8749
phosphorothioate-modified, oligonucleotides/mutagenesis 8765
Pisum sativum L. genes, 5′-flanking regions, sequence, comparison 6733
plasmids, separation of complementary strands, biotin-avidin system, heteroduplex formation, RNA/DNA hybridization 5457
polymorphic segments, human chromosome 21, isolation 6075
polymorphism, poly(dG-m^5dC), low salt, left-handed form 4133
polyoma mutant F9-1, regulatory region, functional analysis 4789
polypyridylruthenium(II) complexes/interactions, fluorescence spectroscopy, topoisomerisation, thermal denaturation 6017
probes, regional mapping, human chromosome 21, origin of nondisjunction, Down's syndrome 4125
prokaryotes, protein coding sequence location 185
rearrangements, *mlvi*-2 locus, human, insertion of Alu SINE 8379
repeated sequences, ciliate mRNA genes, conserved arrangements, molecular coevolution 2661
repetitive sequence family, β-globin, goat, localization, characterization 2171
repetitive sequence, mouse, transcription 3389
repetitive, long interspersed repeats, sequence comparison, mouse 473
repetitive, rabbit C, short interspersed, variability, sequence sharing 1073
restriction endonuclease *Eco*RII, single-strand cleavage 8969
restriction endonuclease *Eco*RII/interaction, substrates containing nucleotide analogs, binding/cleavage 8983
ribulose bis-phosphate carboxylase-oxygenase, *Nicotiana tabacum*, genes, sequence 2373
rnc gene, *Escherichia coli*, ribonuclease III, sequence 4677
satellite, alphoid, HeLa cells, extrachromosomal small polydisperse circular, variant monomeric construction 1027
α-satellite, amplification, humans 521
α-satellite, human X chromosome, sequence 2731
sequence comparison, autonomous parvovirus, minute virus of mice (MVMi), tissue-specific variants 3617
sequence, herpes simplex virus type 1 gene, transcriptional activation 7865
sequence-specific conformational changes, DNA phosphorothioate derivatives, melting temperatures, evidence 5707
sequences, human β-globin gene, regulation of expression 7781
sequencing, methyladenine, reduced cleavage by sodium hydroxide 7639
silver, type I complex, structure, infrared spectrum 251
single-strand loops, preparation/thermal stability 8611
single-strand binding protein-M13 complex, hybridization probe 2789
single-stranded binding proteins, derivation from hnRNP proteins, proteolysis 6577
single-stranded, type II restriction endonuclease, cleavage 5747
site-specific cleavage, *Mbo* II methylase/purification, *Moraxella bovis* 7171
structural junctions, nuclease digestion specificity, influence of flanking sequence 4445
structure, influence of uracil defect, NMR investigation 3343
supercoiled double-stranded, tomato golden mosaic virus, S1 nuclease, sensitivity 4645
supercoiled pBR322, ozonolysis, strand scission to open circular DNA 7183
supercoiled plasmid, transfection, minichromosome assembly, butyrate treatment 3599
supercoiled, unwinding, diamminedichloroplatinum (II) isomers, torsional strain 2881
superhelical, gel electrophoretic mobility, temperature dependence 1665
synthesis, abasic sites, cytosine, termination signals 4285
synthesis, recombinant DNA plasmids, *Escherichia coli* 2943
synthesis, RNA primed initiation sites, distribution/properties, *Escherichia coli*

chromosome, replication origin 6847
Tetrahymena thermophila, synthesis/methylation/degradation, conjugation 73
transcriptionally active, attachment to nuclear skeleton, nuclease-treated nuclei/low ionic strength extraction 7427
transfer, agarose gels/nylon membranes 7207
transposition, *Mus domesticus*, β-globin gene 5071
transposon Tn*7*, *aad*A gene, nucleotide sequence 7095
viral sequence, rat, adenovirus 12, cloned *Eco*RI-C fragment, structure 6591
X-ray induced damage, DNAse I hypersensitivity/SV40 chromatin, elastic torsional strain 7079
DNA endonuclease,
viral pp32, site-specific nicking/avian retrovirus LTR circle junction 6205
DNA helicase II,
uvrD proteins, enzyme-catalyzed repair stimulation, uvrABC 1483
DNA ligase,
Escherichia coli, intermolecular ligation/stimulation, monovalent cations, polyethylene glycol 7979
phage T4, hexamine cobalt chloride, intermolecular blunt end ligation 1997
T4, activity, influence of monovalent cations 3261
DNA M13,
thymine glycols/urea residues, replicative blocks *in vitro* 8035
DNA polymerase,
Nicotiana benthamiana, tomato golden mosaic virus infected, nuclei/hypotonic extracts 7881
Sulfolobus acidocaldarius, purification/characterization 5269
T4, u.v. light-induced damage 3285
DNA polymerase α,
fidelity, α-thio dNTPs, Mn^{2+} and mismatch repair, influence 5685
human placental, BuPdGTP and BuAdATP/inhibition 8623
mammalian, selective inhibition/2-butylanilinopurines 6331
proofreading models 261
10S, calf thymus, polypeptides, characterization, monoclonal antibody 6635
DNA polymerase δ,
human placental, BuPdGTP and BuAdATP/inhibition 8623
DNA repair,
Micrococcus luteus, chemical adaptation, repair of O-methylpyrimidines 7153
DNA topoisomerase I,
HeLa cells, inhibition, ATP, phosphate 6999
DNAse I,
SV40 chromatin/hypersensitivity, X-ray induced DNA damage, elastic torsional strain 7079
B-DNA,
$(dG\text{-}dC)_n.(dG\text{-}dC)_n$, reactions of diepoxybutane, monoadduct 5645
molecular recognition, Hoechst 33258 4825
cDNA,
apolipoprotein B, human, molecular cloning 8813
apolipoprotein B, human, mRNA, characterization 6937
ATP/ADP translocator, *Zea mays* L., isolation and sequence analysis 5847
clone, plant ferredoxin precursor, sequence 3179
cloning, myelin proteolipid (lipophilin) proteins/expression 7413
coding, human von Willebrand factor, antibody probes, colony screening, gene mapping 4699
collagen (calf type II), proα1 chain, analysis 2815
extrachromosomal covalently closed, human diploid fibroblasts, differential representation of repetitive sequences 5563
glutathione S-transferase P, rat, cloning/nucleotide sequence 6049
glyceraldehyde-3-phosphate dehydrogenase, rat, human, isolation and characterization, genomic complexity 2485
glycinin AS_{1a} subunit precursor, *Glycine max* L. 6719
HMG proteins, trout, clones, isolation, sequence 4871
hsp 90, cloning in expression vector 6035
human glucocorticoid receptor, cloning 8293
human hemopexin, primary structure 3841
initiation factor eIF-4A, genes, cloning, isolation/characterization 6867
interleukin-1 precursor, cloning, characterization, human, rabbit 5869
interleukin-2 receptor, sequence 1505
lipase, rat lingual, cloning, sequence 1891
MDV-1, transcription/MDV-1 RNA replication, comparison of pausing 8425
N-*ras* genes, human, structure 5255
nucleotide sequence, non-neuronal enolase (αα enolase), rat 4365
100 kd nucleolar protein (nucleoline), Chinese hamster ovary cells, cloning 5805
ornithine transcarbamylase, rat mitochondrial, human leader sequence comparison, catalytic site conservation 943
phaseolin, nucleotide sequence, *Phaseolus vulgaris* 6483
protein C precursor, structure and evolution, human 5233
mRNA, rat liver cell BRL-3A, insulin-like growth factor II, expression 1119
selective protection against nucleases, incorporation of phosphorothioate analogues 7663
sequence, cloning, *Artemia salina* hnRNP protein 3917
sequence, small histidine/alanine-rich protein, *Plasmodium falciparum* 7837
c-*sis*, human, homology/platelet-derived growth factor, nucleotide sequence 5007
superoxide dismutase, Cu/Zn, clone isolation 2017
thymidylate synthase, sequence 2035
tumour necrosis factor, molecular cloning, eukaryotic expression, mouse 4417

von Willebrand factor, pvWF1100, human, RFLPs 8289

mtDNA,
conserved displacement-loop sequence, length heterogeneity, human 8093

rDNA,
extrachromosomal circular nuclear, *Euglena gracilis* 7529
gene unit, *copia*-like transposable element (3S18), *Drosophila melanogaster* 3861
introns, *Tetrahymena*, sequence comparison 7445
mouse, transfection, rat cells, transcription/processing 7499
Tetrahymena thermophila, non transcribed spacers, autonomously replicating sequences 2647
transcription, hormonal regulation, effect of glucocorticoids 3357
Triturus vulgaris, insertions 5145

spc-DNA,
long interspersed nucleotide sequences, L1 family, size distribution, monkey/human/mouse 8247

Z-DNA,
alternating purine/pyrimidine tracts, mapping 1683
$(dG\text{-}dC)_n.(dG\text{-}dC)_n$, reactions of diepoxybutane, crosslinked diadduct 5645

Dodecadeoxyribonucleotides,
fluorescent pyridopyrimidine deoxynucleoside, synthesis, hybridization 7119

Down's syndrome,
DNA probes, human chromosome 21, origin of nondisjunction 4125

Drosophila,
7F locus, anatomy of supercoiled loops 7703
rDNA spacers, *in vivo* transcription 3221
nuclear matrix, association of transcribed genes, heat shock 2413
nuclei, *in vitro* transcription 2709
pre-mRNA, intron splicing, conserved internal sequence elements 4971
$tRNA^{Arg}$ gene, transcription, 5'-flanking sequence dependence 2803
$tRNA^{Arg}$ gene, transcription *in vitro* decrease, point mutations, 5' ICR/anticodon regions 435

Drosophila melanogaster,
cytochrome *c* genes, characterization 631
rDNA gene unit, *copia*-like transposable element (3S18) 3861
gene family, coding, trypsin-like enzymes 6605
loop sequences, foldback transposable elements, characterization 485
ribosomal spacer, sequence 1089
rRNA repeats, DNase I sensitivity 2869
src genes, transcripts, maternal inheritance 2153
topoisomerase II, double strand DNA cleavage, sequence analysis 1057
tropomyosin genes, multiple polyadenylation sites, mRNA generation 1763

Drosophila mulleri,
alcohol dehydrogenase genes, structure, transcription 6899

Drosophila yakuba,
mtDNA, rRNA genes 4029

Duchenne muscular dystrophy,
human X chromosome markers 3417
ornithine transcarbamylase genes, characterization 155

Echinomycin,
DNA binding sites, migration, kinetic evidence 595
triostin A, complexed to DNA fragment, comparison of structure 2305

***Eco*K selection,**
shotgun cloning/M13 vector, site-directed mutagenesis 8561

Enzymes,
restriction/modification, recognition sequences r165 T4 DNA polymerase, u.v. light-induced damage, DNA 3285

Epidermal growth factor,
receptor gene amplification, human tumor cell lines, absence of aberrant sized mRNAs 8477

Erythrocytes,
N-butyrate incubation, β^A chromatin solubility 1977

Erythromycin,
attenuation, *ermC*, ribosome-binding studies, structural analysis 7307

Escherichia coli,
ada+ extract, DNA, methyl phosphotriesters, stereospecific removal 7067
N-acetylneuraminate lyase, nucleotide sequence 8843
Ada regulatory protein, methyl phosphotriester repair, alkylated DNA 2683
adenylate kinase (*adk*) gene, cloning, sequencing 7139
alpha ribosomal protein operon, sequence 3891
bacterial promoters, comparison of efficiency 5919
chromosome, replication origin, DNA synthesis, RNA primed initiation sites, distribution/properties 6847
codon-defined ribosomal pausing, *pyrE* attenuator, coupling between transcription and translation 4113
diphtheria toxin promoter function 3147
DNA ligase, intermolecular ligation/stimulation, monovalent cations, polyethylene glycol 7979
DNA topoisomerase I gene, regulation, DNA supercoiling 4751
galactokinase genes, *gal* operon, structure 1841
genes, *uvrB*, regulatory sequence analysis, *DnaA* proteins 1829
guanine(O^6 methyl)/methylphosphotriester transferases, genes, cloning, functional DNA repair assay 1939
ilvBN operon, sequence, acetohydroxy acid synthase isozymes, homology 3995
immunity genes, ColE2-P9, structure, expression 1623
insulin-like growth factor, somatomedin-C, expression 1923
lactose promoter P2, deletion analysis 2457

lactose promoters, catabolite activator protein binding site, stabilization 7483
lpp gene, up-promoter mutations 3101
mutants, DNA, diamminedichloroplatinum (II) damage, *uvr*ABC excision nuclease, reactions 7395
nusA, *nusB* operon, effect of NusA protein, expression 3371
phosphoenolpyruvate carboxylase, *Escherichia coli*, promoter analysis 59
photolyase, *phr1* gene/homology, *Saccharomyces cerevisiae* 8231
promoter, structure, RNA start point, sequences, function 4085
promoters, strand-melting property, transcription initiation, correlation 9031
recA gene, *uvsX*, sequence, comparison 7473
recombinant DNA plasmids, DNA synthesis 2943
replication origin *ori C*, site-directed mutagenesis, genes, *asnC*, identification/characterization 8797
restriction enzyme *Eco*D, sequence recognition 389
ribonuclease III, *rnc* gene, DNA sequence 4677
ribosomal protein S13, functional domains, 16S RNA recognition, protein S19 binding 6767
30S ribosomal subunit, long range RNA-RNA interactions 4719
RNA 5S, sequence, ribosomal protein L25 3953
RNA 16S, tertiary folding, 30S ribosomal subunits, cross-linking 6919
RNA polymerase, modification, *N* gene transcription antitermination protein, phage λ 2569
RNA polymerase, promoter selectivity, *dnaQ-rnh* genes 7647
RNA polymerase-promoter complex formation, footprinting 5995
mRNA, secondary structure, translational accuracy 275
rRNA 16S 3′-terminal region, unfolded tRNA/interaction 6283
rRNA 16S, 3′ minor domain, point mutations 8631
rRNA 23S, ordered processing 5041
rRNA 23S, 5′ terminal truncation 1185
rRNA rrnE operon, distal end, sequence 5515
$tRNA_2^{Pro}$ gene, structure, transcription 3213
$tRNA_f^{Met}$ mutants, methionine acceptor activity, anticodon loop 3685
$tRNA^{Phe}$, *pheV* gene, transcription 3699
$tRNA^{Ser}$, nucleotide sequence, structure-function relationship 5697
$tRNA^{Tyr}$ su_3^+, novel non-suppressing mutants 2583
rpsO, *pnp* genes, transcription unit, RNA, attenuation/processing 7289
S10 ribosomal protein operon, structure 4521
serB gene, DNA sequence 7025
single-strand binding protein-M13 DNA complex, hybridization probe 2789
ssb gene, regulatory region, analysis 5095
uracil-DNA glycosylases, mechanism 389
xanthine-guanine phosphoribosyltransferase activity, transduced cells, detection, rapid assay 2921
xylose isomerase gene, *Bacillus subtilis*, homology 5717
***Escherichia coli* CTr5X,**
T4-infected, RNa cleavage, reunion 4333
***Escherichia coli* K12,**
DeoR repressor, primary structure 5927
guaB genes, sequence, IMP dehydrogenase 1303
*his*T operon, structural features 5297
*ilv*B locus, acetohydroxyacid synthase (AHAS) I, operon encoding both subunits 3979
***Escherichia coli* W,**
aspartase genes, sequence 2063
***Euglena gracilis*,**
chloroplasts, streptomycin-resistance, 16S rRNA gene, point mutation 4299
extrachromosomal circular nuclear rDNA 7529
3′→5′exonuclease,
activity, phage φ29 DNA polymerase, characterization 1239

Ferredoxins,
Silene pratensis, cDNA clone, sequence 3179
α-Fetoprotein
albumin/group-specific component, evolutionary and structural relationships 8007
genes, DNase I sensitivity 115
Fibroblasts,
mouse, *in vitro* DNA synthesizing system, DNA methylation, characteristics 2827
rat, epidermal growth factor/serum stimulation, mRNA level elevation, lactate dehydrogenase/glycolytic enzymes 711
Fibroin,
genes, *Bombyx mori*, 5′ flanking DNA comparison, P_{25} 1801
Fumarase,
genes, *citG*, *Bacillus subtilis* 168, sequence 131

Galactokinase,
genes, *Escherichia coli*, *gal* operon, structure 1841
Genes,
α and β tubulin, mapping, *Leishmania major* 4155
α_1-acid glycoprotein, human, structure, sequence homology 3941
aadA, transposon Tn*7* DNA, nucleotide sequence 7095
actin, expression, detection, *in situ* hybridization, quantitative analysis 1777
actin, α-cardiac, sequence 1223
adenovirus IVA_2, transcription, *cis* and *trans* activation 4067
adenylate kinase (*adk*), *Escherichia coli*, cloning, sequencing 7139
Adh2, alcohol dehydrogenase, maize, molecular analysis 727
alcohol dehydrogenase, *Drosophila mulleri*, structure, transcription 6899
alphafetoprotein, methylation, rat liver/carcinogenesis 8105

δ-aminolevulinic acid synthetase, analysis of 5′ regulatory region, *Rhizobium meliloti* 5965
apocytochrome *b*, wheat, mitochondria, absence of prokaryotic ribosome binding site 2281
apolipoprotein AII, human, structural organization/sites of expression 6387
asnC, identification/characterization, *Escherichia coli*, replication origin *oriC*, site-directed mutagenesis 8797
aspartase, *Escherichia coli* W, sequence 2063
B1 hordein, nucleotide sequence, *Hordeum vulgare* L. 7327
bacteriophage φ105 immunity repressor, *Bacillus subtilis*, nucleotide sequence, mutational analysis 5441
bacteriophage T3 RNA polymerase, sequence, analysis 6753
Bombyx mori, P_{25}, structure, 5′ flanking DNA comparison, fibroin 1801
*Bsu*RI restriction-modification system, *Bacillus subtilis*, expression, *Escherichia coli*, nucleotide sequence 6403
Cμ, hamster/mouse, comparison, immunoglobulins, heavy chains, phylogenetic conservation 5611
catalase, human, RFLPs 8288
chlorophyll *a/b* binding protein, petunia, gene families, comparison 2503
colicin E1, cAMP, cAMP receptor protein, positive regulation 4687
collagen (type II), human, polymorphic region 4613
collagen proα1(II), human, isolation, characterization 2207
δ-crystallin, chicken, sequence 1593
cysteine proteinase, *Dictyostelium discoideum*, characterization 8853
cytochrome oxidase subunit II, pea mitochondria, sequence 3195
cytochrome P_1-450, dioxin(2,3,4,8-tetrachlorodibenzo-*p*-), human, assignment, chromosome 15 2009
cytoplasmic γ-actin, structure, BAM5 sequence, mouse 3031
DAS, *Hansenula polymorpha*, methanol assimilatory enzyme, cloning, characterization 3043
DNA gyrase, *Bacillus subtilis* chromosome, structure, function, replication origin *oriC*, transcription 2267
DNA ligase, nucleotide sequence, *Saccharomyces cerevisiae* 8323
DNA topoisomerase I, *Escherichia coli*, regulation, DNA supercoiling 4751
dnaQ-rnh, promoter selectivity, *Escherichia coli* RNA polymerase 7647
Drosophila melanogaster, *src*, transcripts, maternal inheritance 2153
E, phage φX174, deletion of C-terminal amino acid codons, lysis 4143
early and late, Vaccinia virus, nucleotide sequence 985
early histone, embryogenesis, sea urchin, chromatin structure 6185
early, products, polyoma virus, expression in *E. coli* 501
*Eco*RV endonuclease, methylase, overproduction 3823
enhancer function, *Xenopus laevis* 8999
ermC, attenuation, ribosome-binding studies, structural analysis 7307
estrogen-inducible *apo*VLDL II, chicken, chromatin/nuclease-hypersensitive sites 5189
eukaryotic protein synthesis initiation factor, cloning, cDNA, eIF-4A, isolation/characterization 6867
expression, glucocorticoid regulation, post-transcription level, rat 6467
α-fetoprotein, transcription, inhibition, dexamethasone 3873
fibronectin, activity/modulation, chick embryo fibroblasts, Rous sarcoma virus/temperature-sensitive strain 8275
α-fetoprotein/albumin, DNase I sensitivity 115
fumarase *citG*, *Bacillus subtilis* 168, sequence 131
γ-chain, class II histocompatibility antigens, human, structure 8827
GAL1-10, yeasts, regulatory problems/DNase I hypersensitive sites, relationship 8409
galactokinase, *Escherichia coli*, *gal* operon, structure 1841
gas vesicle protein, cyanobacterium *Calothrix* PCC 7601, molecular cloning/nucleotide sequence 7223
gastrin, expression, porcine pituitary and antral mucosal tissues, S1 nuclease mapping 7299
α/β-gliadin, wheat, conservation, variability 3905
glial fibrillary acidic protein, mouse, structure, intermediate filament multigene family, evolution 5527
α-globin, pattern of expression, *Xenopus laevis* 5407
α1-globin, human, RNA, characterization, polymerase II-dependence/tissue specificity/subcellular location 6059
α-/β-glucosyltransferases, bacteriophage T4, cloning, sequencing data/comparison 7551
β-globin, expression in erythroleukemia (K562) cells, *trans* acting regulation 5203
β-globin, human, Chinese $^{G}\gamma\gamma(^{A}\gamma\delta\beta)^{o}$ thalassemia, deletion, sequence analysis of breakpoints 6559
β-globin, human, DNA sequences, regulation of expression 7781
β-globin, human, inversion, analysis 2897
β-globin, human, *Kpn*I, sequence analysis 7813
β-globin, *Mus domesticus*, DNA, transposition 5071
β-globin, sequence-specific binding activity, DNA, chicken 4047
β-glucosidase, *Candida pelliculosa*, nucleotide sequence 6273
ε-globin, human, tissue-specific transcription, transfection/embryomic erythroid cell line K562 6125

ϵ-globin, human, α-amanitin insensitive transcription 7993
globin/non-globin, expression, analysis of chromatin changes, cell hybrids 5629
glutenin, HMW subunit, wheat, structure 8729
guaB, sequence, *Escherichia coli* K12 IMP dehydrogenase 1303
hemopexin, human, primary structure 3841
herpes simplex virus type 1, DNA sequence, transcriptional activation 7865
*his*T, *Escherichia coli* K-12, structural features 5297
histone, *Xenopus*, replication dependence 7341
histones H1/H5, evolution 585
histones, chicken, inverted duplication, regulatory sequence disposition 1369
HLA-DPβ1, human, intron, sequence, homology to ribosomal protein L32 gene 8883
HLA-DPβ, sequence, DPβ/DPα1, 5′ end comparison 1607
HLA-SB(DP) alpha, genomic organization, nucleotide sequence 7515
HMW glutenin subunit, *Triticum aestivum* L., chromosome 1A, nucleotide sequence 6817
HMW glutenin subunit, chromosome 1D, hexaploid wheat, nucleotide sequence 6833
human apolipoprotein A-II, sequence, genomic organization 4597
human chorionic gonadotropin, α-subunit, DNA methylation, inheritance, interclonal variability in fidelity 7055
human coagulation factor X, RFLPs 8286
human lymphotoxin, tumor necrosis factor, structure/homology/chromosomal localization 6361
human P_1-450, sequence, mRNA, benzo[a]pyrene metabolism, correlation with genetic differences 4503
human T-cell antigen receptor, β-chain, Dβ2-Jβ2 region, sequence 6651
human α_2-macroglobulin, RFLPs 8287
ILV2, *Saccharomyces cerevisiae*, sequence 4011
immunity, ColE2-P9, *Escherichia coli*, structure, expression 1623
immunoglobulin heavy chain (Ig H) gene, transcriptional enhancer 8901
immunoglobulin Vκ, Jκ, B cell lines, κ-deficient humans, aberrant recombination 3495
immunoglobulin V_λ, mapping, human, locus, chronic myeloid leukaemia 5761
interferon α, mouse, organization, structure, expression 791
interferon α, mouse, cluster isolation 805
interferon α, mouse, differential expression 825
interferon β, mouse, chromatin/changes of conformation, interferon synthesis 5157
intracisternal A particle, LTRs, sequences, R region variability 289
invertase, *Saccharomyces*, upstream regulatory region, comparison 6089
light chain K, subgroups II and III, immunoglobulins, human 6499
lipase, *Staphylococcus hyicus*, nucleotide sequence 5895
lpp, *Escherichia coli*, up-promoter mutations 3101
mammalian opal suppressor tRNA, coding and 5′ flanking regions, conserved sequences 4756
MEL1, *Saccharomyces cerevisiae*, nucleotide sequence 7257
met J, *Salmonella typhimurium* LT2, characterization, sequence 673
metallothionein-1, liver, amplification, treatment with Cadmium salts, mice 5423
methanol oxidase, *Hansenula polymorpha*, cloning, characterization 3063
Mr 28000 crystal protein, *Bacillus thuringiensis* subsp. *israelensis*, molecular cloning and nucleotide sequence 8207
myosin light chain, fast skeletal muscle alkali, mammalian and avian, comparison 4623
N-myc, human, 3′ exon, nucleotide sequence 2545
N-*ras*, human, structure/cDNA cloning 5255
nitrogen assimilation regulatory, *ntrC*, *nifA*, *Klebsiella pneumoniae*, *Rhizobium meliloti* 4539
nodulin-23/leghaemoglobulin, soybean, primary structure, regulatory elements, 5′ flanking region 239
npl, *Escherichia coli*, nucleotide sequence 8843
ntrA, *Klebsiella pneumoniae*, nucleotide sequence, bacterial RNA polymerase sigma factors, conserved features 7607
ntrB, *Klebsiella pneumoniae*, *glnA-ntrBC* intergenic region, nucleotide sequence 7591
(2′-5′)oligo A synthetase, human, 3′ end structure, proteins, cell type-specific expression 1267
ornithine transcarbamylase, Duchenne muscular dystrophy, characterization 155
*Pae*R7, restriction/modification system, nucleotide sequence, protein products/characterization 8441
$P_1$450, mouse, transcription, autoregulation 7269
pet56/his3/ded1, *Saccharomyces cerevisiae*, nucleotide sequence/transcriptional mapping 8587
phe V, $tRNA^{Phe}$, *Escherichia coli*, transcription 3699
phosphoenolpyruvate carboxylase, *Escherichia coli*, promoter analysis 59
phr1, *Saccharomyces cerevisiae*, sequence, photolyase/*Escherichia coli*, homology 8231
Pisum sativum L., 5′-flanking regions, DNA, sequence, comparison 6733
Plasmodium falciparum, exported antigen, cloning, expression in *E. coli* 369
proα2(I) collagen, human, promoter region, N-propeptide domain 3427
protamine, rainbow trout, transcription, transfection into HeLa cells 8715
RAD3, *Saccharomyces cerevisiae*, nucleotide sequence 2357
rat seminal vesicle F, androgen-regulated, sequence organization, transcriptional start points 659
rearranged V_λ, Burkitt's lymphoma cell line

expressing kappa light chains, cloning, sequencing 4921
reverse transcriptase, cauliflower mosaic virus, subgenomic mRNA/detection 8305
5.8S ribosomal RNA, *Trypanosoma brucei*, structure, transcription 3533
ricin, genomic cloning/characterization, *Ricinus communis* 8019
RNA 7S, *Halobacterium halobium*, characterization 6969
rRNA 16S, point mutation, *Euglena gracilis*, streptomycin-resistance 4299
rRNA 16S, spinach chloroplast, transcription, tandem promoters 8787
tRNA, *Tetrahymena* mitochondrial DNA, sequence 3273
$tRNA^{Arg}$, transcription 2803
$tRNA_1^{Pro}$, *Escherichia coli*, structure, transcription 3213
rnc, ribonuclease III, DNA, sequence, *Escherichia coli* 4677
rpsO, *pnp*, transcription unit, *Escherichia coli*, RNA, attenuation/processing 7289
serB, *Escherichia coli*, DNA sequence 7025
c-*sis*, human, cDNA, homology/platelet-derived growth factor, nucleotide sequence 5007
somatomedin C, chemical synthesis 2959
ssb, *Escherichia coli*, regulatory region, analysis 5095
STE2, *Saccharomyces cerevisiae*, α-factor receptor, structural properties 8463
subtilisin Carlsberg, *Bacillus licheniformis*, cloning/sequencing/expression 8913
tetA/*orfL*, transcription termination signal, transposon Tn*10* 4227
threonyl-tRNA synthetase, *Saccharomyces cerevisiae*, cloning/characterization 6171
thymidine kinase, herpes simplex virus, inhibition of transfection in *Ltk*$^-$ cells, Z-DNA polymers 5111
thymidine kinase, herpes simplex, inhibition, DNA methylation, indirect effect 5503
thyroglobulin, human, location of poly(purine)-poly(pyrimidine)sequence 5127
tnpA, *Pseudomonas* transposon Tn*501*, nucleotide sequence 5657
transcriptionally active, structure, effect of salt extraction, DNAsel sensitivity, effect of chromatin structure 3561
Trypanosoma brucei, variant antigen, tsetse fly, characteristics 4661
α-tubulin, human, structure, restricted expression 207
tzs, *Agrobacterium tumefaciens* strain T37, cloning, sequence 2773
urokinase, human, *Bam*HI RFLP 5404
uvrB, *Escherichia coli*, regulatory sequence analysis, *DnaA* proteins 1829
uvsX, *recA*, *Escherichia coli*, sequence, comparison 7473
variant surface glycoprotein, *Trypanosoma brucei* 3161
V_H, rabbit, interactions, evolution, intergenic exchange, evidence 7041
vitellogenin, *vit-5*, nucleotide sequence, *Caenorhabditis elegans* 7129
vitellogenin, *Caenorhabditis elegans*, promoter regions, short sequence repeats, homology to vertebrate genes 5283
VKIV germline, detection, cloned cDNA probe 6531
xylose isomerase, *Bacillus subtilis*, nucleotide sequence, *Escherichia coli*, homology 5717
Genomic DNA library,
evaluation of quality 2699
α1-Globin,
genes, human, RNA, characterization, polymerase II-dependence/tissue specificity/subcellular location 6059
β-Globin,
DNA, repetitive sequence family, goat, localization, characterization 2171
gene cluster, human, inversion, analysis 2897
ε-Globin,
genes, human, tissue-specific transcription, transfection/embryomic erythroid cell line K562 6125
Glutathione S-transferase P,
cDNA, rat, cloning/nucleotide sequence 6049
Glutelin-2,
maize endosperm proteins, sequences 14
Glyceraldehyde-3-phosphate dehydrogenase,
cDNA, rat, human, isolation and characterization, genomic complexity, molecular evolution 2485
mRNA, multigenic family, expression, rat adult tissues 1431
***Glycine max* L.,**
cDNA, glycinin AS_{1a} subunit precursor 6719
Glycoproteins,
respiratory syncytial virus envelope, structure 7795
Growth factor I,
insulin-like, human, secretion, purification, gene fusion vector 1151
Guanine (O^4 methyl),
transferases, genes, *Escherichia coli*, cloning, functional DNA repair assay 1939

***Halobacterium halobium*,**
RNA 7S gene, characterization 6969
RNA genes, stable, common structural features 31
***Hansenula polymorpha*,**
methanol assimilatory enzyme, *DAS* gene, cloning, characterization 3043
methanol oxidase gene, cloning, characterization 3063
HeLa cells,
DNA topoisomerase I, inhibition, ATP, phosphate 6999
β-globin RNA, stability 2855
isolated nuclei, DNA synthesis 3551
Hemopexin,
human, primary structure, cDNA sequence 3841

Hepatitis B virus,
enhancer, mapping, novel expression selection approach 7457
Herpes simplex virus,
gene activation, assay of transcription regulatory signals 7847
thymidine kinase gene, inhibition of transfection in *Ltk*$^-$ cells/Z-DNA polymers 5111
thymidine kinase gene expression, inhibition, DNA methylation, indirect effect 5503
Herpes simplex virus type 1,
genes, DNA sequence, transcriptional activation 7865
genome, DNA polymerase, binding protein, sequence 8143
mRNA analysis, short unique region 953
Hexamine cobalt chloride,
phage T4 DNA ligase, intermolecular blunt end ligation 1997
Hexanucleoside pentaphosphate,
(AUAUAU), NMR study, conformation 3317
Histocompatibility antigens,
HLA-DPβ genes, sequence, DPβ/DPα1, 5′ end comparison 1607
Histone H1°,
chromatin structure, involvement 2843
Dictyostelium discoideum chromatin, lysine-rich protein 15
Histones,
genes, chicken, inverted duplication, regulatory sequence disposition 1369
H1 gene-specific 5′ element, H1/H5 genes, evolution 585
H1, high mobility group nonhistones 14/17 (HMG 14/17), deposition, nucleus 4853
hyperacetylated, chromatin assembly *in vitro*, facilitation 401
viroids, complexes 355
***Hordeum vulgare* L.,**
B1 hordein gene (pBHR184), nucleotide sequence/endosperm storage protein genes, identification of upstream regulatory elements 7327
Hybridization probes,
biotin-labelled synthetic oligodeoxyribonucleotides, chemical synthesis 1529
DNA/RNA labelling, photobiotin, non-radioactive 745
repeated sequence removal 1905

Identifier sequence,
in vitro transcript, rat, 5-methylcytidylic modification, tRNA-like structure 7195
Immunoglobulins,
Burkitt's lymphoma, reciprocal translocation products, structural analysis 2141
heavy chain (Ig H) gene, transcriptional enhancer 8901
heavy chain γ, murine, γ1 switch segment, tandemly repeated elements, unique sequences 225
heavy chains, phylogenetic conservation, hamster/mouse Cμ genes, comparison 5611
light chain K, genes, subgroups II and III, human 6499
light chain λ, subgroup V$_\lambda$, chromosomal orientation 381
light-chain K, subgroup IV, germline gene 6515
V$\varkappa$, J$\varkappa$ genes, B cell lines, $\varkappa$-deficient humans, aberrant recombination 3495
V$_\lambda$ genes, mapping, human, chronic myeloid leukaemia 5761
IMP dehydrogenase,
Escherichia coli K12, *guaB* genes, sequence 1303
Influenza virus NS1,
gene expression, regulation, primer vector system 7959
Insertion sequence 3,
complete sequence 2127
Interferon α,
genes, mouse, cluster isolation 805
genes, mouse, differential expression 825
genes, mouse, organization, structure, expression 791
Interferon-β,
genes, mouse, chromatin/changes of conformation, interferon synthesis 5157
Interferons,
human type I, IFN-ψ 4739
Interleukin 2,
receptor, cDNA, sequence 1505
receptor gene, human, molecular cloning/structure 7579
Intracisternal A particle,
genes, LTRs, sequences, R region variability 289
IS3,
complete sequence 2127

Kinetoplasts,
maxicircle gene transcripts, mapping and 5′ end determination, *Leishmania tarentolae* 5977
Klebsiella pneumoniae,
genes, *ntrA*, nucleotide sequence, bacterial RNA polymerase sigma factors, conserved features 7607
genes, *ntrB*/*glnA-ntrBC* intergenic region, nucleotide sequence 7591
nifL/*nifH* promoters, site-directed mutagenesis, activity 7621
nitrogen assimilation regulatory genes, *ntrC*, *nifA* 4539

Lactate dehydrogenase,
mRNA level elevation, rat fibroblasts, epidermal growth factor/serum stimulation 711
Leghaemoglobulin,
genes, soybean, primary structure, regulatory elements, 5′ flanking region 239
Leishmania major,
molecular karyotype, α and β tubulin genes, mapping 4155

Leishmania tarentolae,
12S kinetoplast ribosomal RNA, peptidyl-transferase structural elements, conservation 2337
kinetoplast maxicircle DNA, divergent region, repeated sequences 3241
kinoplast maxicircle gene transcripts, mapping and 5′ end determination 5977
Lipase,
cDNA, rat lingual, cloning, sequence 1891
Lipoprotein (apoA-IV),
mRNA induction, porphyric mouse liver 1953
Lipoprotein (apoB),
human, cDNA clones, mRNA, characterization 6937
Locusta migratoria,
rRNA gene, spacer polymorphisms, introns 1251

Maize,
proteins, endosperm, glutelin-2, sequences 14
Maize streak virus,
DNA, bidirectional transcription, identification of coat protein gene 7237
Methanococcus voltae,
highly expressed genes, transcription unit, termination 6439
Methylphosphotriester,
transferases, genes, *Escherichia coli*, cloning, functional DNA repair assay 1939
Micrococcus luteus,
DNA repair, chemical adaptation, repair of O-methylpyrimidines 7153
uracil-DNA glycosylases, mechanism 389
***Micrococcus varians* RFL19**,
restriction-modification enzymes, MvaI, substrate modification, specificity 5727
Mithramycin,
related ligands, DNA/sequence-selective binding 8695
Mitochondria,
biogenesis, *Saccharomyces cerevisiae*, sequence analysis, *mit*$^-$ mutations, *oli1* gene, ATPase subunit 9 1327
Saccharomyces cerevisiae, $tRNA^{Ile}$/$tRNA^{Met}_{(f)}$, sequence, codon recognition pattern 1341
Modification enzymes,
recognition sequences r165
Moraxella bovis,
Mbo II methylase, purification, DNA, site-specific cleavage 7171
Mouse mammary tumour virus,
TGGCA proteins, binding 2045
Mung bean nuclease,
DNA conformations, detection, supercoiled pBR322 DNA/promoter and terminator regions 6137
Mus domesticus,
β-globin gene, DNA, transposition 5071
Mutagenesis,
N^4-aminocytidine derivatives, direct-acting 8893
DNA, chemical, simple method 1773
in-vitro site-directed, microscale method, gene synthesis 3305
oligonucleotides, phosphorothioate-modified DNA 8765
site-directed, *Escherichia coli*, replication origin *ori C*, genes, *asnC*, identification/characterization 8797
Mutations,
clustered point, novel construction strategy 1015

Neocarzinostatin,
chromophore, activation, nascent DNA damage, molecular oxygen 1637
Neurospora crassa,
processing of intron-containing nuclear messenger RNA, yeast 7729
RNA polymerase I promoter, structure, transcription 4311
Nicotiana benthamiana,
tomato golden mosaic virus infected, DNA polymerase/RNA polymerase, nuclei/hypotonic extracts 7881
Nicotiana tabacum,
gene, ribulose bis-phosphate carboxylase-oxygenase, sequence 2373
Nodulin-23,
genes, soybean, primary structure, regulatory elements, 5′ flanking region 239
Nomenclature,
nucleic acid sequences, incompletely specified bases 3021
Nucleic acid similarities,
statistical distribution 645
Nucleic acids,
elution and concentration, NACS PREPAC™ minicolumns, electrophoresis, procedure 9043
Nucleoside wyosine,
5′-monophosphate, acid-catalyzed hydrolysis, kinetics, mechanism 2443
Nucleosides,
thermospray liquid chromatography/mass spectrometry, enzymatic hydrolysates of nucleic acids 8197
Nucleosomes,
core particles, primary organization 3439

Oligodeoxynucleotides,
torsion angle distribution, C3′-O3′ bond, ^{13}C NMR 927
Oligodeoxyribonucleotides,
biotin labelling, chemical, enzymatic 45
biotin-labelled synthetic, chemical synthesis, hybridization probes 1529
d(CGCGATTCGCG), duplex-single-stranded hairpin loop equilibrium, NMR/circular dichroism 6375
double helix formation, thermodynamics, base-base mismatches 4811
duplexes/deoxyinosine, thermal stability, probe design/implications 8927
hairpin formation 8259

mixed sequence, synthesis by competitive coupling, analytical studies 8181
rapid phosphotriester synthesis, oxygen-nucleophilic catalysts 3651
sequence analysis, new method 2433
solid phase sequencing, mechanically stable anion-exchange paper 1173
solid phase synthesis, linkage 2979
synthesis, T4 RNA ligase catalyzed, thermal stability/characterization 8665
Oligonucleotides,
3′-amino-3′-deoxyguanosine, poly(C)/poly(dC) templates, oligomerization of activated derivatives 2469
A-T base pair opening rates, NMR study, influence of sequence/adenine methylation 7829
d(GACGATATCGTC), ^{31}P-NMR 6317
free sulphydryl group, chemical synthesis, thiol specific probes 4485
hexamer d(c^{7}GpCp^{7}Gpc^{7}GpC), self-complementary, solid phase synthesis, phosphoramidite 911
mutagenesis, phosphorothioate-modified DNA 8765
site-directed mutagenesis, M13 vectors 4431
solid phase synthesis, modification of guanine bases, nucleoside phosphoramidite reagents 6447
synthesis, aliphatic amino group at 5′ terminus, fluorescent DNA primers, sequence analysis 2399
synthesis, ionic side-products, fluorescent N-/purin-6-yl/pyridinium salts 2989
synthesis, thymine methylation 573
Oligoribonucleotides,
phosphotriester intermediates, action of acid/effect of released vicinal hydroxy functions 5215
(2′-5′)Oligo A synthetase,
gene, human, 3′ end structure, proteins, cell type-specific expression 1267
Ornithine transcarbamylase,
genes, characterization, Duchenne muscular dystrophy 155
rat mitochondrial, cDNA, human leader sequence comparison, catalytic site conservation 943

Parathyroid hormone (prepro),
'stretched', synthesis, single stranded DNA SP6 promoter plasmids 1103
Parotid secretory protein,
mRNA, cloning 1
Phage φX174,
gene E, deletion of C-terminal amino acid codons, lysis 4143
Phage λ,
bacterial attachment site, DNA sequence requirements 1193
N gene transcription antitermination protein, *Escherichia coli* RNA polymerase, modification 2569
Phage T4,
DNA ligase, hexamine cobalt chloride, intermolecular blunt end ligation 1997
Phage φ29,
Bacillus subtilis, linkage, terminal protein/DNA, serine residues 7715
DNA polymerase, 3′→5′exonuclease activity, characterization 1239
Phage φW-14,
DNA, restriction endonucleases, sensitivity, α-putrescinylthymine 2559
Phages,
T2/K3/Ox2, tail fibre genes, sequences 605
Phaseolus vulgaris,
tRNA^{Trp}, mitochondria, chloroplast, sequence, codon recognition 4411
storage proteins, phaseolin, cDNA, nucleotide sequence 6483
Phosphoenolpyruvate carboxylase,
genes, *Escherichia coli*, promoter analysis 59
Photobiotin,
hybridization probes, non-radioactive, DNA/RNA labelling 745
Phycomyces blakesleeanus,
DNA methylation, developmental modulation 6545
Physarum polycephalum,
linear extrachromosomal DNA, replication, *Saccharomyces cerevisiae/Schizosaccharomyces pombe* 1855
Phytochrome,
etiolated *Avena*, analysis of cloned cDNA/genomic sequences 8543
Pisum sativum,
genes, 5′-flanking regions, DNA, sequence, comparison 6733
legumin gene family, pseudogene, sequence 4527
seed storage proteins, gene number 687
seed storage proteins, gene expression regulation, sulphur deficiency 999
Plasmid,
pTiB6S3, *Agrobacterium*, cloning vectors, gene transfer 4777
Plasmid Col E3-CA38,
immunity genes, analysis of promoters, probe vectors 2519
Plasmid pMB1,
dominant copy number mutants, analysis 5353
Plasmid pSB3,
physical and functional structure, *Zygosaccharomyces bisporus* 4267
Plasmid R6K,
φ initiation proteins, autorepressor properties 103
Plasmid RK2,
trfA, *trfB* promoters, regulation, identification of sequences 8129
Plasmids,
DNA, separation of complementary strands, biotin-avidin system, heteroduplex formation, RNA/DNA hybridization 5457
exogenous recombinant, introduction into mouse and human cells 5545
IncP, R751/RK2, vegetative replication origins, sequences 557
libraries, genomic DNA sequences, direct cloning, fragment enrichment 7569

plasmid DNA, crown gall tumour, octopine, unusual organization 459
pRSV*car*^{amb38}, amber suppression assay, human/mammalian 1317
Saccharomyces cerevisiae, centromere, transcription map 8487
selection-expression vectors, genetic transformation, higher plants 6981
SP6 promoter, single stranded DNA, mutant RNA synthesis, 'stretched' parathyroid hormone (prepro) 1103
transposable elements, junction sequences 3335
***Plasmodium falciparum*,**
exported antigen genes, cloning, expression in *E. coli* 369
genomic expression library, characterization of antigenic determinants, antibody screening 4191
genome organization, repetitive DNA 1965
small histidine/alanine-rich protein, cDNA sequence 7837
Poly (rG-m5dC).poly (rG-m5dC),
conformations, salt-induced transitions 3931
Poly d(G-C).poly d(G-C),
Z-form transition, circular dichroism spectra, vacuum u.v. region 4983
Poly r(G-C).poly r(G-C),
Z-form transition, circular dichroism spectra, vacuum u.v. region 4983
Poly(ADP-ribose)polymerase,
rRNA gene, cloned, random transcription prevention, factor characterization 89
Poly(dA).poly(dT),
poly(dA) strand, A form in solution, u.v. resonance Raman study 2075
Poly(dA-dC).(dG-dT),
B→Z transition, spectroscopic evidence 4469
Polymorphisms,
spacer, *Locusta migratoria*, rRNA gene 1251
tRNA synthesis locus, mitochondria, yeasts 859
Polyoma virus,
early genes, products, expression in *E. coli* 501
enhancer, RNA polymerase III-transcribed genes, differential activation 1413
Polypyridylruthenium(II) complexes,
DNA/interactions, fluorescence spectroscopy, topoisomerisation, thermal denaturation 6017
Polyribonucleotides,
double stranded, 4′-6-diamidino-2-phenylindole (DAPI), interaction 8955
Porphyrins,
DNA interaction, zinc complex, fluorescence spectroscopy, topoisomerisation 167
Proflavine,
cytidylyl-3′, 5′-guanosine, intercalation complex, crystal structure, thermal motion analysis 5671
Prokaryotes,
protein coding sequence location, DNA 185
Promoters,
Adh 1, transcription, animal cells 7945
chloroplast, higher plants 7543
EIII, adenovirus 5, transcriptional analysis 1209
Escherichia coli lactose, catabolite activator protein binding site, stabilization 7483
mac, functional hybrid, activation by *malT* product, repression by *lacI* product 1163
rRNA, *Acarithamoeba castellanii*, transcription in cell-free system 6237
trfA, *trfB*, plasmid RK2, regulation, identification of sequences 8129
urokinase-plasminogen activator gene, human 2759
Proofreading,
DNA polymerase α, models 261
Protein C,
precursor, structure and evolution, cDNA, human 5233
Protein synthesis,
Bacillus subtilis, translationally coupled initiation 893
Proteins,
Artemia salina hnRNP, cDNA sequence, cloning, conservation through evolution 3917
chloroplast genes, transcription initiation *in vitro* 1283
damage-specific DNA binding, human, cytosine base lesion recognition 303
DNA binding/hnRNA, mammalian, common antigenic determinants 337
DnaA, regulatory sequence analysis, *Escherichia coli uvrB* genes 1829
glutelin-2, maize endosperm, sequences 14
HMG, trout, cDNA clones, isolation, sequence 4871
mitochondrial, ssDNA binding, characterization 1703
myelin proteolipid (lipophilin), expression, cDNA, cloning 7413
seed storage, gene number, *Pisum sativum* 687
seed storage, *Pisum sativum*, gene expression regulation, sulphur deficiency 999
TGGCA, adenovirus/mouse mammary tumour virus/BK virus binding 2045
uvrD, DNA helicase II, enzyme-catalysed repair stimulation, uvrABC 1483
viroids, complexes 355
φ initiation, autorepressor properties, plasmid R6K 103
T-antigen, SV40, binding 6621
Pseudogenes,
truncated cytochrome *c* processed, rat long interspersed repeat family association 763
***Pseudomonas*,**
transposon Tn*501*, *tnpA* gene, nucleotide sequence 5657
***Pseudomonas aeruginosa*,**
*Pae*R7 restriction/modification system, nucleotide sequence, protein products/characterization 8441

Reducing sugars,
DNA damage, sequence specific 449
Respiratory syncytial virus,
fusion glycoprotein, mRNA, sequence, cleavage activation site 1559

Restriction endonuclease *Acc*III,
Acinetobacter calcoaceticus, activity/inhibition 8685
Restriction endonuclease *Dra*II,
Deinococcus radiophilus, *Dra*III 1517
Restriction endonuclease *Eco*RII,
DNA/interaction, substrates containing nucleotide analogs, binding/cleavage 8983
single-strand cleavage, DNA 8969
Restriction endonuclease *Sec*I,
cyanobacteria *Synechocystis* 6701, deoxynucleotide sequence 6745
Restriction endonucleases,
digestion, site specific methylation, effect r201
Phage ϕW-14 DNA, sensitivity, α-putrescinylthymine 2559
*Sca*I, interaction with substrates 7015
type II, single-stranded DNA, cleavage 5747
Restriction enzyme *Eco*D,
Escherichia coli, sequence recognition 389
Restriction enzymes,
recognition sequences r165
Restriction-modification enzymes,
Mval, *Micrococcus varians* RFL19, substrate modification, specificity 5727
Retroviruses,
avian, LTR circle junction, site-specific nicking/viral pp32 DNA endonuclease 6205
murine, related DNA sequences, structure, genomic organization 3461
RFLPs,
alphafetoprotein (AFP), 4q11-4q13, human 6794
apolipoprotein B gene, *Bam*HI, human 6789
apolipoprotein B gene, *Eco*RI, human 6790
apolipoprotein B gene, *Eco*RV, human 6791
apolipoprotein B gene, *Msp*I, human 6792
apolipoprotein B gene, *Xba*I, human 6793
*Bam*HI, urokinase gene, human 5404
catalase gene, human 8288
chromosome 2, 2p15-2p16, human 5403
chromosome 5, A56, anonymous DNA sequence 6788
chromosome 19, insulin receptor locus, Rsa1 polymorphism 8661
chromosome 21, D21S19 locus, human 7168
coagulation factor X gene, human 8286
collagen (type III), gene COL 3A1, human 4609
cytochrome P-450 gene, 19q 13.1-qter, human 4610
D4S12, 4pter-4q26, single copy genomic clone 3016
DS21D2, anomymous single copy chromosome 21 probe 7909
DXS79, Xq26-Xq28, single copy X-chromosome clone 3015
α_2-macroglobulin gene, human 6787,8287
probe p49f, detection of Taq1, Y chromosome, human 8285
single copy chromosome 22 clone, D22610, 22c1-18, *Pst*I 7167
single copy X-chromosome, dic56, Xp22-Xpter 5723
single copy X-chromosome, DXS72, Xq13-Xq22 5724
single copy X-chromosome clone DXS91, Xq11–q13 7539
single copy X-chromosome clone DXS92, Xq26–27 7540
von Willebrand factor cDNA clone, prWF1100, human 8289
Rhinovirus 2,
human, sequence, capsid protein region, proteolytic processing 2111
***Rhizobium meliloti*,**
δ-aminolevulinic acid synthetase gene, analysis of 5′ regulatory region 5965
nitrogen assimilation regulatory genes, *ntrC*, *nifA* 4539
repeated promoter sequences, *nif*HDK operon, symbiotic gene expression, species specific, *nif*-specific 3407
***Rhizobium trifolii*,**
repeated promoter sequences, *nif*HDK operon, symbiotic gene expression, species specific, *nif*-specific 3407
Riboguanosine pentaphosphate pppr*Gpp*,
(Magic Spot II), synthesis, phosphotriester approach 3635
Ribosomal protein S4,
RNA 16S, recognition 6343
Ribosomal protein S10,
functional genes, *Saccharomyces carlsbergensis* 5027
Ribosomal proteins,
S24/L46, yeasts, adjacent, divergent transcription 701
***Ricinus communis*,**
ricin genes, genomic cloning/characterization 8019
RNA,
attenuation/processing, *rpsO*/*pnp* transcription unit, *Escherichia coli* 7289
bacteriophage MS2, replicase genes, coat protein, translational coupling 6955
carnation mottle virus, nucleotide sequence, genome organization 6663
characterization, human, α1-globin genes, polymerase II-dependence/tissue specificity/subcellular location 6059
cleavage, reunion, T4-infected *Escherichia coli* CTr5X 4333
double-stranded, *Saccharomyces cerevisiae* virus, long internal inverted repeat 1575
Escherichia coli, polymerase-promoter complex formation, footprinting 5995
α_1-fetoprotein, rat, 5′-end sequence, glucocorticoid-suppressed liver transcription 2387
folding, new principle, pseudoknotting 1717
β-globin, HeLa cells, stability 2855
intervening sequence, *Tetrahymena thermophila*, self-catalyzed cyclization, inhibition by intercalating dyes 7741

intervening sequence, *Tetrahymena thermophila*, self-catalyzed cyclization, inhibition by methidiumpropyl.EDTA 7759
12S kinetoplast ribosomal, *Leishmania tarentolae*, peptidyl-transferase structural elements, conservation 2337
late SV40, splice sites, exon mutations 5591
MDV-1, replication/MDV-1 cDNA transcription, comparison of pausing 8425
nonlinear, circular and linear components 4889
poliovirus genome, hybridization, eukaryotic 6797
polymerase II, ternary transcription complexes 3805
polymerase, bacteriophage T3, gene, sequence, analysis 6753
45S ribosomal subspecies, mouse, characterization, cleavage 4905
5S rRNA-protein L5 complex, rat liver, interaction 2325
5S, sequence, ribosomal protein L25, *Escherichia coli* 3953
sequence, secondary structure requirements, rho-dependent transcription termination 3739
small nuclear U1, sea urchin, structure 537
small nuclear, *Tetrahymena* 4203
small polyadenylated B2, nucleotide sequence 6423
synthetic, *Xenopus* oocytes, stability, movement and translation, effect of capping and polyadenylation 7375
terminal phosphorylation, queuosine, affinity electrophoresis 6881
tobacco mosaic virus, conformational requirements, aminoacylation, adenylation 347
tobacco mosaic virus, 3′ noncoding region, pseudoknots 7673
transcription factor IIIA, binding properties, *Xenopus laevis* oocytes 5369
yeast, *Neurospora crassa* intron, removal 7729
RNA 7S,
Halobacterium halobium, gene, characterization 6969
RNA 7SL,
signal recognition particle, secondary structure, functional implications 6105
RNA 16S,
Escherichia coli, tertiary folding, 30S ribosomal subunits, cross-linking 6919
recognition, protein S19 binding, functional domains, ribosomal protein S13, *Escherichia coli* 6767
recognition, ribosomal protein S4 6343
RNA 28S,
rDNA transcription unit, spacer sequences, mouse 2293
RNA genes,
Halobacterium halobium, stable, common structural features 31
RNA ligase,
T4, oligodeoxyribonucleotides, catalyzed synthesis, thermal stability/characterization 8665
RNA polymerase,
Escherichia coli, modification, *N* gene transcription antitermination protein, phage λ 2569
Nicotiana benthamiana, tomato golden mosaic virus infected, nuclei/hypotonic extracts 7881
Escherichia coli, promoter selectivity, *dnaQ-rnh* genes 7647
sigma factors, conserved features/*Klebsiella pneumoniae* genes, *ntrA*, nucleotide sequence 7607
RNA polymerase I,
promoter, *Neurospora crassa*, structure, transcription 4311
RNA polymerase II,
functional promoters, retroviral long terminal repeats 2631
wheat germ, poly(dAI) dependent trinucleotide synthesis, effects of nucleotide substrates/cordycepin triphosphate 6155
RNA polymerase III,
-transcribed genes, differential activation, polyoma virus enhancer, adenovirus E1A gene products 1413
RNA polymerase SP6,
novel transcription property, dependence on template structure 6223
RNA polymerase T7,
novel transcription property, dependence on template structure 6223
RNase III,
cleavage, mRNA stability/protein synthesis 2227
mRNA,
aldolase B, human, nucleotide sequence 5055
caerulein precursor, *Xenopus laevis* skin, repetitive sequence 1817
characterization, cDNA clones, human apolipoprotein B 6937
5′ end, decapping, chemical, enzymic, *Trypanosoma brucei* 4253
Escherichia coli, secondary structure, translational accuracy 275
generation, tropomyosin genes, multiple polyadenylation sites, *Drosophila melanogaster* 1763
genes, ciliate, DNA, repeated sequences, conserved arrangements, molecular coevolution 2661
glyceraldehyde-3-phosphate dehydrogenase, multigenic family, expression, rat adult tissues 1431
herpes simplex virus 1, short unique region, analysis 953
human P_1-450 gene, benzo[a]pyrene metabolism, correlation with genetic differences 4503
Ig λ light chain, Burkitt's lymphoma cell line EB4, cloning, sequence analysis 2931
insulin-like growth factor II, rat liver cell BRL-3A, cDNA, expression 1119
lipoprotein (apo A-IV), induction, porphyric mouse liver 1953

metallothionein, rate of poly(A)-shortening, blot hybridization 7929
nucleotide sequence.non-neuronal enolase (αα enolase), rat 4365
parotid secretory protein, cloning 1
respiratory syncytial virus fusion glycoprotein, sequence, cleavage activation site 1559
secondary structure, comparative sequence analysis 8645
segmented, *Trypanosoma cruzi*, tandem gene family 5789
sequences, prediction of splice junctions 5327
Simian virus 40, polyadenylation, substitution of hexanucleotides/selection of sequences 8053
stability, cloned DNA sequences, bacteriophage φX174 5937
stability/protein synthesis, RNase III, cleavage 2227
3′ terminal sequence formation, consensus sequence YGTGTTYY requirement 1347
3′ untranslated region, sequence homology, distantly related species 3723
Xenopus laevis, larval β-globin, nucleotide sequence 7899
Xenopus oocytes, hybridization-arrest, single-stranded complementary DNA, oligonucleotide probes 4991
mRNA 13S,
adenovirus-2 E1A, splicing, minimal intron length/specific intron signals 6299
rRNA,
28Sα and 28Sβ, sequence, *Sciara coprophila* 3581
DNase I sensitivity, *Drosophila melanogaster* 2869
precursor, *Tetrahymena thermophila*, self-splicing, sequence requirements 1871
promoter, *Acarithamoeba castellanii*, transcription in cell-free system 6237
synthesis, growth-dependent regulation, transcription initiation factor (TIF-IA) 8165
Tetrahymena thermophila, sites of circularization, sequence/position/secondary structure 8389
rRNA 5S/5.8S/4.5S,
collection of sequences r105
rRNA 16S,
Escherichia coli, 3′ minor domain, point mutations 8631
gene, point mutation, *Euglena gracilis* chloroplasts, streptomycin-resistance 4299
genes, spinach chloroplast, transcription, tandem promoters 8787
rRNA 18S,
Saccharomyces cerevisiae, conformation, 5′ domain, dimethyl sulphate probing 8339
rRNA 23S,
Escherichia coli, 5′ terminal truncation 1185
Escherichia coli, ordered processing 5041
rRNA genes,
cloned, random transcription prevention, factor characterization, poly(ADP-ribose)polymerase 89
Drosophila yakuba, mtDNA 4029
Locusta migratoria, spacer polymorphisms, introns 1251
promoter region, nucleotides, mouse 3515
snRNA,
compilation of sequences r155
snRNA U6,
association of lupus antigen La, human, mouse 2617
tRNA,
codon recognition, mechanism of binding 3667
compilation of sequences r1 repetitive sequence elements, homology 4239
synthesis locus, mitochondria, yeasts, polymorphism 859
unfolded, interaction/*Escherichia coli* rRNA 16S, 3′-terminal region 6283
tRNA^{Arg},
gene, *Drosophila*, transcription *in vitro* decrease, point mutations, 5′ ICR/anticodon regions 435
tRNA$_f^{Met}$,
anticodon loop, methionine acceptor activity, *Escherichia coli* 3685
tRNA$^{Gln}_{UUC}$,
tobacco chloroplast genes, $tRNA^{Tyr}_{GUA}$, $tRNA^{Asp}_{GUC}$, structure, co-transcription 1045
tRNA^{Ile},
$tRNA^{Met}_m$, *Saccharomyces cerevisiae*, mitochondria, sequence, codon recognition pattern 1341
tRNA^{Phe},
yeast, mechanism of binding 3667
yeast, tertiary interactions, A9/AU12, NMR 5249
tRNA^{Trp},
Phaseolus vulgaris, mitochondria, chloroplast, sequence, codon recognition 4411
tRNA^{Tyr},
Scenedesmus obliquus, chloroplast/cytoplasmic, sequences 1659
tRNA^{Tyr} su$_7^+$,
Escherichia coli, novel non-suppressing mutants 2583
tRNA genes,
chloroplast, divergence, gene conversion, *Brassica oleracea* 8603
compilation of sequences r51
Schizosaccharomyces pombe, dimeric structure, increased expression 8739
tRNA synthetase (threonyl),
genes, *Saccharomyces cerevisiae*, cloning/characterization 6171
Rous sarcoma virus,
temperature-sensitive strain, chick embryo fibroblasts, fibronectin gene activity/modulation 8275

Saccharomyces,
invertase genes, upstream regulatory region, comparison 6089
Saccharomyces carlsbergensis,
functional genes, ribosomal protein S10 5027
Saccharomyces cerevisiae,
autonomously replicating sequence activity, evaluation, cloned DNA, *Schizosaccharomyces pombe* 3711

centromere plasmid, transcription map 8487
class II transposon Tyl−17, nucleotide sequence characterization 6679
extracts, *Drosophila* $tRNA^{Arg}$ gene, transcription 2803
genes, *RAD3*, nucleotide sequence 2357
ILV2 gene, sequence 4011
MEL1 gene, nucleotide sequence 7257
mitochondria, biogenesis, sequence analysis, *mit*⁻ mutations, *oli1* gene, ATPase subunit 9 1327
mitochondrial reading frame, maturase-like protein, coding 3005
pet56/his3/ded1 genes, nucleotide sequence/transcriptional mapping 8587
phr1 gene, sequence, photolyase/*Escherichia coli*, homology 8231
pre-mRNA, transcript splicing 3791
rRNA 18S, conformation, 5′ domain, dimethyl sulphate probing 8339
$tRNA^{Ile}$/$tRNA_{if}^{Met}$, mitochondria, sequence, codon recognition pattern 1341
STE2 genes, α-factor receptor, structural properties 8463
threonyl-tRNA synthetase genes, cioning/characterization 6171
Ty transposable elements, structurally conserved proteins 4097
Ty transposon, protein synthesis 6249
type 2 killer virus, M_2 genomic segment, structure, expression 4379
virus, double-stranded RNA, long internal inverted repeat 1575

***Salmonella typhimurium* LT2,**
met J genes, characterization, sequence 673

***Scenedesmus obliquus*,**
$tRNA^{Tyr}$, chloroplast/cytoplasmic, sequences 1659

***Schizosaccharomyces pombe*,**
cloned DNA, autonomously replicating sequence activity, evaluation, *Saccharomyces cerevisiae* 3711
tRNA gene, dimeric structure, increased expression 8739

***Sciara coprophila*,**
28Sα and 28Sβ rRNA, sequence 3581

Sea urchin,
early histone genes/embryogenesis, chromatin structure 6185
RNA, small nuclear U1, structure 537

Seminal vesicle,
rat F genes, androgen-regulated, sequence organization, transcriptional start points 659

Silver,
DNA, type I complex, structure, infrared spectrum 251

Simian virus 40,
early gene replacement, exogenous DNA/transduction into mammalian cells 8573
expression of temperature sensitive T-antigen, gene amplification/expression, regulation 7913
minichromosomes, DNase I hypersensitive, elastic torsional strain 1135
mRNA, polyadenylation, substitution of hexanucleotides/selection of sequences 8053

Site-directed mutagenesis,
EcoK selection, shotgun cloning/M13 vector 8561

Somatomedin-C,
insulin-like growth factor, *Escherichia coli*, expression 1923

***Staphylococci*,**
gene fusion vector, human insulin-like growth factor I, secretion, purification 1151

***Staphylococcus hyicus*,**
lipase gene, nucleotide sequence 5895

***Stylonychia lemnae*,**
α-tubulin DNA, sequence, special codon usage 415

***Sulfolobus acidocaldarius*,**
DNA polymerase, purification/characterization 5269

Superoxide dismutase,
cDNA, Cu/Zn, clone isolation 2017

SV40 enhancer,
Xenopus laevis oocytes, functional activity/chromatin configuration 8065

***Tetrahymena*,**
rDNA introns, sequence comparison 7445
mitochondrial DNA, tRNA genes, sequence 3273
small nuclear RNA 4203

***Tetrahymena pyriformis*,**
topoisomerase I, binding preference, conserved hexameric sequence, rRNA gene promoter region 1543

***Tetrahymena thermophila*,**
DNA, synthesis/methylation/degradation, conjugation 73
intervening sequence RNA, self-catalyzed cyclization, inhibition by intercalating dyes 7741
intervening sequence RNA, self-catalyzed cyclization, inhibition by methidiumpropyl.EDTA, location of dye binding sites 7759
macronuclear DNA 5817
precursor rRNA, self-splicing, sequence requirements 1871
rDNA, non transcribed spacers, autonomously replicating sequences 2647
rRNA, sites of circularization, sequence/position/secondary structure 8389

Tetrazole phosphonic acids,
analogues, antiviral activity 8519

β-Thalassaemia,
single nucleotide substitution, acceptor splice site 777

Thymidylate synthase,
cDNA, sequence 2035

Tobacco,
chloroplast genes, $tRNA^{Glu}_{UUC}$/$tRNA^{Tyr}_{GUA}$/$tRNA^{Asp}_{GUC}$, structure, co-transcription 1045

Tomato golden mosaic virus,
Nicotiana benthamiana, DNA polymerase/RNA polymerase, nuclei/hypotonic extracts 7881
supercoiled double-stranded DNA, S1 nuclease, sensitivity 4645

Tobacco mosaic virus,
$L_{11}A$, nucleotide sequence, plant viral virulence, molecular basis 5585
RNA, 3′ noncoding region, pseudoknots 7673
RNA, conformational requirements, aminoacylation, adenylation 347
Tobacco rattle virus,
RNA-2, nucleotide sequence 8507
Topoisomerase I,
Tetrahymena pyriformis, binding preference, conserved hexameric sequence, rRNA gene promoter region 1543
Topoisomerase II,
Drosophila melanogaster, double strand DNA cleavage, sequence analysis 1057
Topoisomerases,
ATP-dependent supercoiling, *Chlamydomonas reinhardtii*, chloroplast transcript accumulation 873
dTpdT,
6-4 lesion, formation, purification and solution conformational analysis, u.v. irradiation 5949
Transcription factor IIIA,
RNA binding properties, *Xenopus laevis* oocytes 5369
Transcription termination signal,
transposon Tn*10*, *tetA/orfL* genes 4227
Transposon Tn5,
central region sequence, three resistance genes 195
Triostin A,
echinomycin, complexed to DNA fragment, comparison of structure 2305
***Triticum aestivum* L.,**
HMW glutenin subunit gene, chromosome 1A, nucleotide sequence 6817
Triturus vulgaris,
rDNA, insertions 5145
Tropomyosin,
genes, multiple polyadenylation sites, *Drosophila melanogaster*, mRNA generation 1763
Trypanosoma brucei,
apocytochrome *b*, mitochondrial DNA sequences 4577
gene conversion, variant surface glycoprotein, flanking sequence 3161
mRNA, 5′ end, decapping, chemical, enzymic 4253
5.8S ribosomal RNA gene, structure, transcription 3533
9S and 12S RNA, ribosomal function, evidence 4171
variant antigen genes, tsetse fly, characteristics 4661
Trypanosoma cruzi,
tandem gene family, segmented mRNA 5789
Trypanosomes,
mitochondria, 9S and 12S RNA, ribosomal function, evidence 4171
α-Tubulin,
genes, human, structure, restricted expression 207
Stylonychia lemnae, DNA, sequence, special codon usage 415
Uracil-DNA glycosylases,
Escherichia coli/*Micrococcus luteu*, mechanism 389
Urokinase-plasminogen activator gene,
human, promoters 2759

Vaccinia virus,
early and late genes, nucleotide sequence 985
Viroids,
histones/proteins, complexes 355
Vitamin D,
group-specific component, albumin/α-fetoprotein, evolutionary and structural relationships 8007
Von Willebrand factor,
human, cDNA coding, antibody probes, colony screening, gene mapping 4699

Wheat,
Chinese Spring, chromosome 1D, gene, HMW-glutenin subunit, nucleotide sequence 6833

Xanthine-guanine phosphoribosyltransferase,
activity, transduced cells, *Escherichia coli* 2921
Xenopus,
histone genes, replication dependence 7341
oocytes, mRNA, hybridization-arrest, single-stranded complementary DNA, oligonucleotide probes 4991
oocytes, synthetic RNA, stability, movement and translation, effect of capping and polyadenylation 7375
Xenopus laevis,
caerulein precursor, skin, mRNA, repetitive sequence 1817
genes, enhancer function 8999
α-globin genes, pattern of expression, α-globin polypeptides, amino acid sequence 5407
larval β-globin mRNA, nucleotide sequence 7899
oocytes, Alu transcripts, nuclear-cytoplasmic partitioning/3′ end processing 8359
oocytes, SV40 enhancer, functional activity/chromatin configuration 8065
transcription factor IIIA, RNA binding properties 5369

Yeasts,
GAL1-10 genes, regulatory problems/DNase I hypersensitive sites, relationship 8409
ribosomal proteins S24/L46, adjacent, divergent transcription 701
Ty element, sequence 2745

Zygosaccharomyces bisporus,
plasmid pSB3, physical and functional structure 4267